

# PUBLIC HEALTH REPORTS

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## CURRENT PREVALENCE OF COMMUNICABLE DISEASES IN THE UNITED STATES<sup>1</sup>

September 6–October 3, 1936

*Poliomyelitis.*—The number of reported cases of poliomyelitis rose from 626 for the 4 weeks ended September 5 to 1,027 for the current 4-week period. States in which the disease has been considerably above the seasonal expectancy were as follows: Illinois, 245 cases; Ohio, 102; Tennessee, 85; California, 54; Alabama and Georgia, 40 each; Colorado, 29; Mississippi, 18; and Maine, 11. More than 60 percent of the total cases occurred in these 9 States. Other States reported about the normal seasonal incidence.

For the country as a whole the current incidence was about 40 percent of that for the corresponding period in 1935 and slightly above the average for the 3 preceding years. The incidence since the first of the year and the trend during recent weeks, along with comparative figures for preceding years, are given in the accompanying table.

In Alabama the peak seems to have been passed, but in Tennessee the number of cases is still high. In Illinois, Ohio, and other North Central States more cases were reported during the last few weeks than at any other time this year.

An epidemic in 1935 that started in North Carolina was rather generally felt in the northern States of the South Atlantic region and in all States in the North Atlantic region. The first significant rise for this season was reported from the South Central States; the other States reporting a high incidence are quite widely scattered over the various sections of the country. In 1934 the disease was epidemic in California and the West. While the peak of that outbreak occurred earlier in the summer, the number of cases continued on a relatively high level until late in October.

*Influenza.*<sup>2</sup>—The number of cases of influenza reported for the 4 weeks ended October 3 was 1,225. For the corresponding period in the years 1935, 1934, and 1933 the cases numbered 1,956, 1,777, and 2,137, respectively. Practically every section of the country reported

<sup>1</sup> From the Office of Statistical Investigations, U. S. Public Health Service. These summaries include only the 8 important communicable diseases for which the Public Health Service receives weekly telegraphic reports from the State health officers. The numbers of States included for the various diseases are as follows: Typhoid fever, 48; poliomyelitis, 48; meningococcus meningitis, 48; smallpox, 48; measles, 47; diphtheria, 48; scarlet fever, 48; influenza, 44 States and New York City. The District of Columbia is counted as a State in these reports.

<sup>2</sup> See *Influenza Mortality in the United States, 1936*, by Mary Gover. Public Health Reports, Oct. 9, 1936, p. 1399.

a slight increase over the preceding 4-week period, but an increase of influenza cases is normally expected at this season of the year, and there was no indication of anything more than a normal increase. The Mountain and Pacific regions reported a very slight increase over last year; the North Atlantic regions reported approximately the same incidence, and in all other regions the disease was considerably less prevalent than at this time last year.

*Poliomyelitis cases reported in each State during recent weeks of 1936*

Division and State	41 weeks ended—				Cases reported in 1936 for week ended—											
	Oct. 14, 1933	Oct. 13, 1934	Oct. 12, 1935	Oct. 10, 1936	Aug. 8	Aug. 15	Aug. 22	Aug. 29	Sept. 5	Sept. 12	Sept. 19	Sept. 26	Oct. 3	Oct. 10		
All States <sup>1</sup> .....	4,115	6,292	9,296	3,111	138	147	133	164	182	218	242	277	290	264		
<b>New England:</b>																
Maine.....	46	15	119	35	0	6	0	1	1	4	1	6	0	0		
New Hampshire.....	6	8	52	3	0	0	0	0	0	0	0	0	0	0		
Vermont.....	242	66	33	9	1	0	0	0	0	0	0	0	0	0		
Massachusetts.....	342	1,240	50	2	1	2	3	0	4	1	1	1	2	0		
Rhode Island.....	16	1	305	2	0	0	0	0	0	0	0	0	0	0		
Connecticut.....	64	14	351	12	1	1	1	0	1	0	0	3	0	1		
<b>Middle Atlantic:</b>																
New York.....	1,247	203	2,618	171	8	7	11	10	20	11	12	16	6	9		
New Jersey.....	219	62	415	26	0	0	1	2	1	1	2	1	2	2		
Pennsylvania.....	340	105	160	88	3	5	1	6	5	7	8	1	11	7		
<b>East North Central:</b>																
Ohio.....	283	221	89	180	4	11	8	14	2	18	17	27	40	24		
Indiana.....	37	48	30	39	1	1	1	1	1	2	3	7	3	10		
Illinois.....	192	176	201	493	11	9	15	19	30	52	43	75	70	95		
Michigan.....	79	185	550	98	3	4	3	3	5	2	11	9	15	18		
Wisconsin.....	37	89	56	35	0	0	0	1	1	4	4	4	6	7		
<b>West North Central:</b>																
Minnesota.....	268	67	58	22	0	0	1	2	0	1	3	3	3	2		
Iowa.....	33	26	44	47	1	2	0	3	7	4	7	9	3	5		
Missouri.....	31	29	30	36	3	0	1	1	2	5	4	2	0	5		
North Dakota.....	75	10	10	12	0	0	0	0	0	0	2	2	2	0		
South Dakota.....	25	35	7	10	0	1	2	0	2	0	0	1	2	1		
Nebraska.....	13	13	13	16	0	0	0	0	1	3	0	3	2	0		
Kansas.....	44	59	24	48	0	2	0	1	0	5	3	4	10	6		
<b>South Atlantic:</b>																
Delaware.....	14	3	5	1	0	0	0	1	0	0	0	0	0	0		
Maryland.....	31	20	87	24	1	0	0	0	1	1	7	5	1	2		
District of Columbia.....	6	8	78	7	0	0	0	1	0	0	0	1	3	1		
Virginia.....	32	62	661	47	2	6	4	5	4	2	5	3	3	0		
West Virginia.....	74	75	37	40	2	2	0	1	3	4	7	4	7	1		
North Carolina.....	21	38	634	39	2	7	0	0	1	2	1	1	0	0		
South Carolina.....	18	10	28	16	2	0	0	1	0	0	0	0	0	0		
Georgia.....	5	17	18	87	6	2	1	10	5	12	9	11	8	7		
Florida.....	8	14	15	27	0	3	0	4	2	0	1	0	9	1		
<b>East South Central:</b>																
Kentucky.....	37	97	273	56	4	6	5	7	4	1	1	1	3	4		
Tennessee.....	101	50	71	303	26	20	24	19	22	21	17	23	24	15		
Alabama.....	22	42	50	389	26	22	21	16	5	15	13	6	6	9		
Mississippi.....	8	26	12	110	12	11	10	15	18	5	6	3	4	4		
<b>West North Central:</b>																
Arkansas.....	10	11	21	9	0	0	1	0	1	0	1	1	0	1		
Louisiana.....	22	13	86	22	1	0	2	0	3	1	2	1	1	1		
Oklahoma.....	20	11	10	11	0	0	1	0	0	1	1	0	2	0		
Texas.....	37	102	64	33	0	2	1	1	1	1	5	2	1	1		
<b>Mountain:<sup>1</sup></b>																
Montana.....	7	285	5	15	0	0	1	0	1	1	0	1	1	4		
Idaho.....	1	115	1	13	1	2	1	0	0	2	1	0	0	0		
Wyoming.....	11	7	2	6	0	0	0	0	0	1	2	0	2	0		
Colorado.....	6	15	9	44	0	2	0	2	2	4	8	9	8	1		
New Mexico.....	6	16	6	18	0	0	0	1	2	0	4	4	1	2		
Arizona.....	11	162	15	6	0	0	0	0	0	2	0	2	0	0		
Utah.....	7	11	6	3	0	0	0	0	0	1	0	0	1	0		
<b>Pacific:</b>																
Washington.....	60	617	26	57	5	3	2	2	7	2	10	5	4	4		
Oregon.....	23	61	13	25	1	1	1	0	0	2	2	5	2	2		
California.....	100	3,030	662	262	9	8	11	12	25	13	15	18	18	10		

<sup>1</sup> Nevada excluded; no data.

*Typhoid fever.*—The number of cases of typhoid fever (2,340) for the country as a whole was the lowest reported for this period in the 8 years for which these data are available, and this low prevalence obtained in each geographic region. In the North Central, South Atlantic, and Mountain and Pacific regions the current incidence was only slightly below the level of last year, but the North Atlantic and South Central regions reported more than 15-percent decreases.

*Scarlet fever.*—An increase of scarlet fever is normally expected at this season of the year. The number of reported cases for the 4 weeks ended October 3 was 5,215, as against 3,472 for the preceding 4-week period. In relation to recent years the current incidence was low, approximately 8,000 cases being reported for this period in each of the 4 preceding years. The seasonal increase was apparent in all sections of the country, but the current figures for each geographic region were considerably below those for the corresponding periods in recent years.

*Smallpox.*—The incidence of smallpox has about returned to the normal seasonal level. For the current 4-week period there were 123 cases reported, as compared with 109, 102, 131, and 130 for the corresponding period in the 4 preceding years. Montana reported 26 cases, South Dakota 20, and Illinois 19; but in other States in the Western and North Central regions, where the disease has been unusually prevalent, the incidence dropped to about normal expectancy. Atlantic Coast and South Central regions reported a very low incidence.

*Measles.*—The incidence of measles was relatively low, the number of cases for the current period being 1,183 as compared with 2,306, 3,031, and 2,026 for the corresponding period in the years 1935, 1934, and 1933, respectively. Each geographic region shared in the favorable situation that now exists after the unusually high incidence of measles that prevailed during 1935 and 1934.

*Diphtheria.*—Diphtheria continued at a very favorable level. For the 4 weeks ended October 3 the number of cases reported was 2,248 as compared with 3,821, 3,566, and 4,830 for the corresponding period in the years 1935, 1934, and 1933, respectively. Among the various geographic regions the decreases from last year's figures for this period ranged from 15 percent in the South Atlantic region to more than 70 percent in the West North Central region.

*Meningococcus meningitis.*—For the country as a whole the number of cases (237) of meningococcus meningitis was practically on a level with that reported for the corresponding period in 1935, but it was considerably above the numbers for the 3 preceding years, when the cases reported for this period numbered 135, 130, and 179, respectively. The East North Central, South Atlantic, and South Central regions reported slight increases over last year; in other regions the disease

was less prevalent. Of the total number of cases more than 60 percent were reported from the following States: New York, 24; Kentucky, 22; Illinois, 16; Tennessee and Pennsylvania, 14 each; Maryland and Ohio, 13 each; Virginia, West Virginia, and South Carolina, 11 each. The remaining cases were widely distributed among the other States.

*Mortality, all causes.*—The average mortality rate for large cities for the 4 weeks ended October 3 as reported by the Bureau of the Census was 10.0 per thousand population (annual basis). The rates for the corresponding periods in 1935, 1934, and 1933 were 10.0, 9.9, and 9.8, respectively.

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## REVIEW OF PLAGUE IN SEATTLE IN 1907 AND SUBSEQUENT RAT AND FLEA SURVEYS

The Public Health Service has recently published a review of an outbreak of human plague which occurred in Seattle nearly 30 years ago and the measures which have been undertaken since that time in the investigation and eradication of the infection.<sup>1</sup>

The purpose of this review was to collect and preserve data dealing with the original outbreak of plague and the measures enforced in eradicating it, to give a history of rodent plague in Seattle, to report the activities of the Seattle rat laboratory, and to give the results of various flea surveys.

Three cases of human plague occurred in Seattle late in October 1907—one bubonic and two of the pneumonic type. Three other deaths occurred in Seattle at that time presenting symptoms of pneumonic plague, although they were not diagnosed as such. Two of these cases occurred in the family in which the known cases of pneumonic plague occurred, and one case was probably the source of infection for three female members of his family. No other case of human plague was discovered, although rodent plague continued for 10 years within the city.

Two campaigns for the eradication of plague were conducted in Seattle, both under the direction of the United States Public Health Service. The first campaign was undertaken on the discovery of plague cases in October 1907 and was continued for only a few months. The second campaign followed the discovery of a greatly increased number of plague-infected rats in 1913 and was continued for 3 years through the efforts of a Public Health Service officer, Dr. B. J. Lloyd. These campaigns accomplished much in improving sanitary conditions along the water front and in the business district of the city, but the author is of the opinion that a low *cheopis* index, together with extensive regrading and rebuilding, were factors of importance in the elimination of rodent plague.

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<sup>1</sup> Review of Plague in Seattle (1907) and Subsequent Rat and Flea Surveys. By L. D. Fricks, medical director. Public Health Bulletin No. 232. Government Printing Office, Washington, 1936.

Rodent plague persisted in Seattle for at least 10 years, November 1907 to March 1917, during which time 84 plague-infected rats were discovered, 54 of these being found in 1913 and 1914.

A rat laboratory was maintained in Seattle by the Public Health Service and the city health department for nearly 26 years, November 1907 to June 30, 1933. A continuous sampling of the rat population was carried on in which approximately 500,000 rats were examined for plague infection.

Detached observations of rat-flea prevalence were first undertaken in 1908 and two flea surveys were made. All the information gathered on this subject goes to show a low *cheopis* index. In the last survey extending from January 1930 to April 1932 the *cheopis* index was 0.4 plus.

The author concludes that, while conditions are unfavorable for the spread of bubonic plague in Seattle at the present time, the same cannot be said for pneumonic plague. Therefore every precaution should be taken to prevent the reintroduction of the infection.

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## THE EFFECT OF VIBRION SEPTIQUE TOXIN ON ANIMALS

The anaerobe *Vibrio septique* produces a specific toxin which brings about striking results when inoculated intravenously into laboratory animals, particularly rabbits. It is almost unique in the rapidity of its action on this animal. The period of incubation is almost nonexistent in some cases or so short that the question has been raised whether the action is that of a true toxin. The effects produced may, however, be prevented by neutralization with an antitoxin.

An experimental study was made dealing with (1) the relation of the amount of toxin administered to the length of survival of animals, (2) the action of the toxin, (3) the action of the toxin by routes other than the intravenous route, and (4) a detailed histopathologic study of its pathologic action in rabbits, guinea pigs, mice, and pigeons. The report on this study has recently been published by the Public Health Service.<sup>1</sup>

The study shows rather conclusively that the toxin of *Vibrio septique* has powerful cardiotoxic properties, if not an especial affinity for the heart. In this organ, hydropic, granular, and colloid droplet degeneration of smaller or larger groups of muscle fibers were seen in all stages of the intoxication. Zenker's necrosis was the essential and most important lesion, and it was found in some degree in practically all animals. It is probably the cause of death and the explanation for the recorded pathologic physiology.

<sup>1</sup> The Experimental Pathology and Pathologic Histology Produced by the Toxin of *Vibrio Septique* in Animals. By Joseph G. Pasternack and Ida A. Bengtson. National Institute of Health Bull. No. 168. Government Printing Office, Washington, 1936.

In the literature there is no mention of the nephrotoxic properties of the specific toxin of *Vibrio septique*. Intravenous inoculations produce lesions quickly and rather regularly in rabbits, mice, guinea pigs, and pigeons. The kidneys exhibited all grades of colloid droplet degeneration and necrosis of the labyrinthine tubules. The glomerular tufts showed various stages of thrombosis and thrombonecrosis, and characteristic glomerular blood cyst formation.

The other organs showed degenerative lesions of variable degree, but generally of less severity than the lesions produced in the heart and kidneys, and with much less regularity.

The observations recorded disclose certain facts that appear to be important in understanding the pathologic physiology of acute, fatal "gas" gangrene in man, in which this organism is an agent.

**DEATHS DURING WEEK ENDED OCT. 3, 1936**

[From the Weekly Health Index, issued by the Bureau of the Census, Department of Commerce]

	Week ended Oct. 3, 1936	Correspond- ing week, 1935
<b>Data from 86 large cities of the United States:</b>		
Total deaths.....	7,285	7,252
Deaths per 1,000 population, annual basis.....	10.2	10.1
Deaths under 1 year of age.....	556	460
Deaths under 1 year of age per 1,000 estimated live births.....	60	43
Deaths per 1,000 population, annual basis, first 40 weeks of year.....	12.2	11.4
<b>Data from industrial insurance companies:</b>		
Policies in force.....	68,530,210	67,681,475
Number of death claims.....	11,114	10,868
Death claims per 1,000 policies in force, annual rate.....	8.4	8.4
Death claims per 1,000 policies, first 40 weeks of year, annual rate.....	10.0	9.7

**STATE AND INSULAR HEALTH AUTHORITIES, 1936**  
**DIRECTORY, WITH DATA AS TO APPROPRIATIONS AND PUBLICATIONS**

Directories of the State and insular health authorities of the United States for each year from 1912 to 1935, except 1932, have been published in the PUBLIC HEALTH REPORTS and reprinted as separates<sup>1</sup> for the information of health officers and others interested in public-health activities. The present directory (1936), like those previously issued, has been compiled from information furnished by the respective State and insular health officers and includes data as to appropriations and publications.

Where an officer has been reported to be a "whole-time" health officer, that fact is indicated by an asterisk (\*). For this purpose a "whole-time" health officer is defined as "one who does not engage in the practice of medicine or in any other business but devotes all of his time to official duties."

<sup>1</sup> Reprints nos. 83, 123, 190, 268, 344, 406, 488, 544, 605, 706, 775, 871, 949, 1043, 1106, 1188, 1254, 1334, 1426, 1522, 1604, 1676, and 1724, from the PUBLIC HEALTH REPORTS.

### ALABAMA DEPARTMENT OF PUBLIC HEALTH

- Board of censors of the medical association of the State of Alabama, acting as a State committee of public health:
- Bibb Graves, governor, ex officio chairman, Montgomery.
- E. V. Caldwell, M. D., chairman, Huntsville.
- M. Y. Dabney, M. D., Birmingham.
- M. S. Davie, M. D., Dothan.
- S. A. Gordon, M. D., Marion.
- Fred W. Wilkerson, M. D., Montgomery.
- J. D. Ferdue, M. D., Mobile.
- W. D. Partlow, M. D., Tuscaloosa.
- Walter F. Scott, M. D., Birmingham.
- K. A. Mayer, M. D., Lower Peach Tree.
- T. Brannon Hubbard, M. D., Montgomery.
- Bureau of administration:**
- Executive health officer:**
- \*J. N. Baker, M. D., State health officer, Montgomery.
  - \*Bessie A. Tucker, secretary to State health officer, Montgomery.
  - \*G. S. Savage, financial secretary, Montgomery.
- Bureau of county organization:**
- \*Douglas L. Cannon, M. D., director, Montgomery.
  - \*J. S. Hough, M. D., field adviser in county organization, Montgomery.
  - \*A. M. Shelamer, M. D., field adviser in county organization, Montgomery.
- Bureau of communicable disease control:**
- \*D. G. Gill, M. D., D. P. H., director, Montgomery.
  - \*W. H. Y. Smith, M. D., C. P. H., assistant director, Montgomery.
  - \*E. A. Brown, M. D., clinician, Montgomery.
  - \*K. N. Joseph, M. D., clinician, Montgomery.
  - \*Myrtle Martin, R. N., Montgomery.
  - \*Mary S. Fugh, R. N., Montgomery.
- Bureau of hygiene and nursing:**
- \*B. F. Austin, M. D., director, Montgomery.
  - \*J. J. Repa, M. D., pediatrician, Montgomery.
  - \*Sarah Brooks, R. N., Montgomery.
  - \*Gladys Prestwood, R. N., Montgomery.
  - \*Maude Pick, R. N., Montgomery.
  - \*Margaret Murphy, R. N., Montgomery.
  - \*Mary Lee Morris, R. N., Montgomery.
- Bureau of laboratories:**
- \*James G. McAlpine, Ph. D., general director, Montgomery.
- Anniston branch:**
- \*Mary Walker, Anniston.
- Birmingham branch:**
- \*George A. Denison, M. D., Birmingham.
- Dothan branch:**
- \*Nellie K. Whitfield, Dothan.
- Huntsville branch:**
- \*Mrs. Buford Gatlin, Huntsville.
- Mobile branch:**
- \*O. H. Waite, Mobile.
- Tennessee Valley branch:**
- \*C. C. Johnson, Decatur.
- Tuscaloosa branch:**
- \*Cannie Campbell, Tuscaloosa.
- Selma branch:**
- \*Cooper Brougher, Selma.
- Bureau of sanitation:**
- \*G. H. Hazlehurst, M. O. E., director, Montgomery.
- Assistant engineers:**
- \*T. H. Milford, B. S. in C. E., M. S. in San. E., Montgomery.
  - \*Frank B. Wood, B. S. in C. E., Montgomery.
  - \*A. N. Beck, B. S. in C. E., Montgomery.
  - \*R. V. Barnes, B. S. in C. E., Montgomery.
  - \*J. C. Clarke, B. S. in C. E., Montgomery.
  - \*O. G. Quenelle, M. S. in M. E., Montgomery.
- Division of inspection:**
- \*C. A. Abele, Ch. E., director, Montgomery.
  - \*H. J. Thrasher, Huntsville.
  - \*F. H. Downs, B. S. in D. H., Montgomery.

### Bureau of vital statistics:

- \*Leonard V. Phelps, director and registrar, Montgomery.
- Appropriation for fiscal year ending September 30, 1936:
- Annual appropriation for all health work, including county organization, \$400,000. (Subject to proration on basis of available revenue coming into the general fund. This makes amount indeterminate.)

### ALASKA DEPARTMENT OF HEALTH

#### Executive health officer:

- Walter W. Council, M. D., commissioner of health, Juneau.
- Assistant commissioners of health:
- A. D. Haverstock, M. D., Seward.
  - Rex F. Swartz, M. D., Nome.
  - Floyd B. Gillespie, M. D., Fairbanks.
- Appropriation for 1935-37, \$15,200.

### ARIZONA STATE BOARD OF HEALTH

#### State board of health:

- B. B. Moeur, Governor, president, Phoenix.
- John L. Sullivan, vice president, Phoenix.
- George C. Truman, superintendent, secretary, Phoenix.
- F. E. Doucette, secretary, business manager, Phoenix.
- Fred Ruppelius, statistician, Phoenix.
- Ralph Thomas, assistant secretary and auditor, Phoenix.

#### Executive health officer:

- George C. Truman, M. D., State superintendent of health, Phoenix.

#### State laboratory:

- \*Robert A. Greene, director, Tucson.
- \*Marion Stroud, bacteriologist, Phoenix.
- \*W. B. West, assistant bacteriologist, Tucson.

#### Division of local health administration:

- \*George A. Hays, M. D.

#### Sanitary engineer:

- \*F. C. Roberts.

#### County health units:

- \*A. N. Crain, M. D., medical director, Maricopa County, Phoenix.
- \*R. B. Durfee, M. D., medical director, Cochise County, Bisbee.
- \*Lewis H. Howard, M. D., medical director, Pima County, Tucson.
- \*G. F. Manning, M. D., medical director, Gila County, Globe.
- Jack B. Eason, M. D., medical director, Yuma County, Yuma.

#### Appropriations, year ending June 30, 1937:

Board of health.....	\$15,705
Child hygiene.....	19,700
State laboratory.....	9,140

### ARKANSAS STATE BOARD OF HEALTH

#### Board of health:

- W. H. Hodges, M. D., president, Malvern.
- Thomas Wilson, M. D., Wynne.
- J. G. Gladden, M. D., Harrison.
- E. D. McKnight, M. D., Brinkley.
- L. D. Duncan, M. D., Waldron.
- F. O. Mahony, M. D., El Dorado.

#### Executive health officer:

- Wm. B. Grayson, M. D., State health officer, Little Rock.

#### Bureau of vital statistics:

- \*Mrs. J. B. Collier, statistician, Little Rock.
- \*Reuben McClure, field agent, Little Rock.

#### Hygienic laboratory:

- \*H. V. Stewart, associate director, Little Rock.
- \*Mildred M. Moss, bacteriologist, Little Rock.
- \*Mildred S. Fatherree, M. D., bacteriologist, Little Rock.

#### Bureau of sanitary engineering:

- \*M. Z. Bair, C. E., chief sanitary engineer, Little Rock.

**Bureau of sanitary engineering—Continued.**

- \*Leon McDonald, assistant engineer, Little Rock.
- \*James P. Slater, assistant State director, malaria-sanitation, Little Rock.
- \*D. Webster Jones, B. S. A., director, milk control, Little Rock.

**Bureau of local health service:**

- \*Gordon Hastings, M. D., M. P. H., assistant State health officer, director, Little Rock.
- \*T. T. Ross, M. D., M. P. H., director, division of maternal and child health, Little Rock.
- \*Margaret S. Vaughan, R. N., supervisor, public health nursing, Little Rock.
- \*Matie Neely, R. N., chief consultant nurse, division of maternal and child health, Little Rock.
- \*Gale Morris, accountant.
- Training center, Morrilton, Arkansas:
  - \*W. Myers Smith, M. D., M. P. H., director.
  - \*W. P. Scarlett, M. D., M. P. H., assistant director.

**Bureau of communicable diseases:**

Appointments pending—director and epidemiologist.

**Appropriations for biennial period ending June 30, 1937:**

Executive salary and miscellaneous.....	\$19,800
Bureau of vital statistics.....	\$29,800
Registrars' fees.....	30,000
	59,800
Bureau of sanitary engineering.....	19,000
Hygienic laboratory.....	18,600
Bureau of local health service.....	170,000

**CALIFORNIA DEPARTMENT OF PUBLIC HEALTH**

**Board of public health:**

- Howard Morrow, M. D., president, San Francisco.
- Edward M. Palette, M. D., vice president, Los Angeles.
- Walter M. Dickie, M. D., director of public health, Sacramento.
- Gifford L. Sobey, M. D., Paso Robles.
- William R. P. Clark, M. D., San Francisco.
- George H. Kress, M. D., Los Angeles.
- Gustave Wilson, M. D., Sacramento.

**Department of public health:**

- \*Walter M. Dickie, M. D., director of public health, Sacramento.

**District health officer:**

- \*Gavin Teller, M. D., southern division.

**Bureau of epidemiology:**

- \*Harlin L. Wynns, M. D., chief, San Francisco.
- \*Ida May Stevens, supervising morbidity statistician.

**Bureau of sanitary inspections:**

- \*Edward T. Ross, chief, Sacramento.

**Bureau of vital statistics:**

- \*Marie B. Stringer, chief, Sacramento.

**Bureau of registration nurses:**

- \*Helen F. Hansen, chief, Sacramento.

**Bureau of tuberculosis:**

- \*Edyth L. M. Tate-Thompson, chief, Sacramento.

**Bureau of food and drug inspections:**

- \*M. P. Duffy, chief.

**Division of laboratories:**

- \*W. H. Kellogg, M. D., chief, Berkeley.

**Bureau of sanitary engineering:**

- \*C. G. Gillespie, C. E., chief, Berkeley.

**Bureau of child hygiene:**

- \*Ellen S. Stadtmuller, M. D., chief, San Francisco.

**Appropriations, available July 1, 1935, for biennial period ending June 30, 1937 (87th and 88th years):**

<b>Administration:</b>	
For support, department of public health.....	\$427,320
<b>Bureau of cannery inspection:</b>	
For support (payable from cannery-inspection funds).....	181,170
<b>Bureau of registration of nurses:</b>	
For support (payable from nurses registration funds).....	46,700

**Appropriations—Continued.**

**Tuberculosis bureau:**

Allotment for support, included in item "for support, department of public health", \$20,230.	
For subsidies.....	\$1,305,000

Total..... 1,960,190

**Other sources of revenue:**

- Fees for registration of nurses, \$10 each. (Fees for California graduate nurses, \$5 only.)
- Renewal of registration certificates, \$1 each per year.
- Licensing of cold-storage warehouses, rated according to capacity, for credit to general fund.
- Fines for violation of pure food and drugs acts, for credit to general fund.
- Fees for licenses, \$50 each, and contributions, for credit to bureau of cannery inspection.
- Fees for searches and certified copies of records, for credit to general fund.
- Fees for inspection and registration of aviaries, \$5 each.
- Fees for inspection of clinics and dispensaries, \$20 each.
- Publications issued by health department:
  - Biennial report.
  - Weekly bulletin.
  - Special bulletins.
  - General health laws.

**COLORADO DIVISION OF PUBLIC HEALTH**

**State board of health:**

- Paul J. Connor, M. D., president, Denver.
- William P. Gasser, M. D., vice president, Loveland.
- R. L. Cleere, M. D., C. P. H., secretary and executive officer, Denver.
- G. W. Bumpus, D. O., Denver.
- Ura O. Musick, Ph. G., Colorado Springs.
- N. M. Burnett, M. D., Lamar.
- Ben Beshoar, M. D., Trinidad.
- C. A. Davlin, M. D., Alamosa.
- Rudolph Albi, M. D., Denver.

**Division of administration:**

- \*R. L. Cleere, M. D., C. P. H., secretary and executive officer, Denver.

**Division of epidemiology:**

- \*R. L. Cleere, M. D., C. P. H., acting epidemiologist.

**Division of social hygiene:**

- \*R. L. Cleere, M. D., C. P. H., director.

**Division of plumbing:**

- \*Irving A. Fuller, chief inspector.

**Division of bacteriology:**

- \*W. C. Mitchell, M. D., bacteriologist.

**Division of sanitary engineering:**

- \*Benjamin V. Howe, sanitary engineer.

**Division of vital statistics:**

- \*R. L. Cleere, M. D., C. P. H., State registrar.

**Division of food and drugs:**

- \*R. L. Cleere, M. D., C. P. H., acting commissioner.

**Division of crippled children:**

- \*Vera H. Jones, M. D., director.

**Division of maternal and child health:**

- \*Vera H. Jones, M. D., director.

**Division of public health nursing:**

- \*Mary H. Emberton, R. N., supervisor.

**Appropriations for fiscal years ending June 30, 1936 and 1937:**

	1936	1937
Salaries.....	\$31,330	\$31,390
Laboratory equipment and supplies.....	1,250	1,250
Printing.....	1,900	1,900
Traveling expenses.....	4,500	4,500
Veneral disease.....	( <sup>1</sup> )	( <sup>1</sup> )
Incidental expenses.....	1,100	1,100
<b>Total.....</b>	<b>40,080</b>	<b>40,140</b>

<sup>1</sup> No appropriation.

### CONNECTICUT DEPARTMENT OF HEALTH

**Public health council:**  
 C. E. A. Winslow, D. P. H.  
 James W. Knox.  
 James A. Newlands.  
 David R. Lyman, M. D.  
 Robert A. Cairns, C. E.  
 Joseph M. Ganey, M. D.

**Executive health officer:**  
 \*Stanley H. Osborn, M. D., C. P. H., commissioner of health, Hartford.

**Bureau of preventable diseases:**  
 \*Millard Knowlton, M. D., C. P. H., director.

**Bureau of vital statistics:**  
 \*William C. Welling, director.

**Bureau of public-health nursing:**  
 \*Elizabeth S. Taylor, R. N., director.

**Bureau of child hygiene:**  
 \*A. Elizabeth Ingraham, M. D.

**Bureau of public-health instruction:**  
 \*Elizabeth C. Nickerson, C. P. H.

**Bureau of laboratories:**  
 \*F. Lee Mickle, director.

**Bureau of sanitary engineering:**  
 \*Warren J. Scott, director.

**Bureau of occupational diseases:**  
 \*Albert S. Gray, M. D., director.

**Bureau of venereal diseases:**  
 \*Henry P. Talbot, M. D., M. P. H., director.

**Bureau of mental hygiene:**  
 \*James M. Cunningham, M. D., director.

**Division of mouth hygiene:**  
 \*Franklin M. Erlenbach, D. M. D., chief.

**Division of medical registration:**  
 \*Ruth H. Monroe, chief.

**Appropriation for fiscal period ending June 30, 1937 (2 years), \$609,029.**

**Publications issued by health department:**  
 Weekly bulletin.  
 Monthly bulletin.  
 Annual vital-statistics report.  
 Annual report of State department of health.  
 Miscellaneous pamphlets.

### DELAWARE STATE BOARD OF HEALTH

**State board of health:**  
 Stanley Worden, M. D., president, Dover.  
 Mrs. F. G. Tallman, vice president, Wilmington.  
 Mrs. Arthur Brewington, secretary, Delmar.  
 R. E. Ellegood, M. D., Wilmington.  
 Mrs. Charles Warner, Wilmington.  
 J. P. Wintrop, D. D. S., Wilmington.  
 Bruce Barnes, M. D., Seaford.  
 M. I. Handy, M. D., Wilmington.

**Executive health officer:**  
 \*Arthur C. Jost, M. D., C. M., Dover.

**Directory of laboratory:**  
 \*R. D. Herdman, Dover.

**Director of communicable disease control:**  
 \*J. R. Beck, M. D., Dover.

**Director of maternal and child health:**  
 \*Woodbridge E. Morris, M. D., Dover.

**Sanitary engineer:**  
 \*R. C. Beckett, Dover.

**Superintendent of Brandywine Sanatorium:**  
 \*L. D. Phillips, M. D., Marshallton.

**Superintendent of Edgewood Sanatorium:**  
 \*Elizabeth Van Vranken, R. N., Marshallton.

**State supervisor of nurses:**  
 \*Mrs. Kathryn Trent, R. N., Dover.

**State oral hygienist:**  
 \*Miss Margaret Jeffreys, R. D. H., Dover.

**County unit officers:**  
 \*J. R. Downes, M. D., New Castle County.  
 \*E. F. Smith, M. D., Kent County.  
 \*F. I. Hudson, M. D., Sussex County.

**Appropriations for the fiscal year ending June 30, 1937:**

General administration.....	\$84, 150
Hygienic laboratory.....	10, 425
Edgewood Sanatorium for colored tuberculous patients.....	27, 400
Brandywine Sanatorium for white tuberculous patients.....	121, 200
Dental hygiene.....	12, 000
<b>Total.....</b>	<b>255, 175</b>

**Special construction at Brandywine Sanatorium.....** \$150, 000

**Publications:**  
 Annual report.  
 Bulletins on health subjects.  
 Weekly circular

### DISTRICT OF COLUMBIA HEALTH DEPARTMENT

**Executive health officer:**  
 \*George C. Ruhland, M. D., health officer, Washington.

**Assistant health officer:**  
 Daniel L. Seckinger, M. D., Washington.

**Chief clerk and deputy health officer:**  
 \*Arthur G. Cole, Washington.

**Chief, Bureau of Preventable Diseases, and director, bacteriological laboratory:**  
 \*James G. Cumming, M. D., Washington.

**Bacteriologist:**  
 \*John E. Noble, Washington.

**Serologist:**  
 \*Jesse P. Porch, D. V. M., Washington.

**Maternity welfare:**  
 J. Bay Jacobs, M. D., medical director.

**Bureau of Nursing:**  
 Mrs. Josephine Pittman Prescott, director.

**Bureau of tuberculosis:**  
 \*A. Barkhe Coulter, M. D., director.

**Chemist:**  
 \*John B. Reed, Washington.

**Chief sanitary inspector:**  
 \*J. Frank Butts, Washington.

**Director child-hygiene service:**  
 \*Hugh J. Davis, M. D., Washington.

**Chief food inspector:**  
 \*Reid R. Ashworth, D. V. S., Washington.

**Chief medical and sanitary inspector of schools:**  
 \*Joseph A. Murphy, M. D., Washington.

**Chief, bureau of vital statistics:**  
 \*Joseph B. Irvine, Washington.

**Poundmaster:**

**Appropriations for the fiscal year ending June 30, 1937:**

Salaries.....	\$185, 790
Prevention of communicable diseases.....	32, 500
Milk and food inspection and regulation.....	7, 000
Dispensary service, including treatment of tuberculosis and venereal diseases.....	45, 380
Maintaining a child-hygiene service.....	25, 000
Hygiene and sanitation, public schools.....	84, 000
Laboratory service.....	3, 300
Nursing service.....	120, 400
Miscellaneous.....	4, 600

**Total.....** 507, 970

**Publications issued by health department:**  
 Weekly report by health department.  
 Annual report of health officer.  
 Monthly statement of average grade of milk and ice cream sold.

### FLORIDA STATE BOARD OF HEALTH

**Board of health:**  
 N. A. Baltzell, M. D., president, Marianna.  
 R. L. Hughes, M. D., Bartow.  
 Shaler Richardson, M. D., Jacksonville.

**Executive health officer:**  
 \*W. A. McPhaul, M. D., State health officer, Jacksonville.

**Diagnostic laboratories:**  
 \*Paul Eaton, M. D., D. P. H., director, Jacksonville.

**Bureau of vital statistics:**  
 \*Stewart G. Thompson, D. P. H., director, Jacksonville.

**Bureau of sanitation:**  
 \*T. S. Kennedy, M. D., director, Jacksonville.

**Division of public health nursing:**  
 \*Ruth E. Mattinger, R. N., director.

**Division of drug inspection:**  
 M. H. Doss, chief inspector, Jacksonville.

**Bureau of maternal and child health:**  
 E. Bryant Woods, M. D., director.

**Bureau of county health work:**  
 J. T. Googe, M. D., director.

**Bureau of epidemiology:**

John Phair, M. D., acting director.

**Appropriation for health department:**

One-half mill tax levied upon the assessable property of the State for the year ending June 30, 1935, and the same for the year ending June 30, 1937, but expenditures thereunder limited to \$225,000 for each fiscal year.

**Publications issued by health department:**

Pamphlets covering all phases of public health.  
Public health information disseminated through the weekly and daily papers of the State.  
Florida health notes.  
Annual reports.

**GEORGIA DEPARTMENT OF PUBLIC HEALTH**

**State Board of Health:**

Cleveland Thompson, M. D., Millen, First District.

C. K. Sharp, M. D., Arlington, Second District.

R. C. Ellis, Americus, Third District.

M. M. Head, M. D., Zebulon, Fourth District.

R. F. Maddox, Atlanta, Fifth District.

A. R. Rozar, M. D., Macon, Sixth District.

M. M. McCord, M. D., Rome, Seventh District.

H. W. Clements, M. D., Adel, Eighth District.

L. C. Allen, M. D., Hosehton, Ninth District.

W. A. Mulherin, M. D., Augusta, Tenth District.

T. C. Marshall, Ph. G., State at large, Atlanta.

W. T. Edmonds, State at large, Augusta.

J. G. Williams, D. D. S., State at large, Atlanta.

Paul McGee, D. D. S., State at large, Waycross.

**Executive health officer:**

\*T. F. Abercrombie, M. D., director, Atlanta.

\*J. P. Bowdoin, M. D., assistant director.

**Division of venereal-disease control:**

\*Joe P. Bowdoin, M. D., chief, Atlanta.

**Division of county health work:**

\*Guy G. Lunsford, M. D., chief, Atlanta.

**Division of laboratories:**

\*T. F. Sellers, M. D., chief, Atlanta.

**Division of sanitary engineering:**

\*L. M. Clarkson, chief, Atlanta.

**Division of tuberculosis control:**

\*H. C. Schenck, M. D., chief, Atlanta.

**Bureau of vital statistics:**

\*Butler Toombs, chief, Atlanta.

**Division of child hygiene:**

\*Joe P. Bowdoin, M. D., chief, Atlanta.

**Division of epidemiology:**

\*C. D. Bowdoin, M. D., chief.

**Division of accounting and purchasing:**

\*C. L. Tinsley, chief, Atlanta.

**Appropriations for the fiscal years ending**

Dec. 31, 1934 and 1935:

General appropriation..... \$125,000

Scaled proportionately to State income.

Only 80 percent, or \$100,000,

will be paid on 1935 appropriation.

**TERRITORY OF HAWAII BOARD OF HEALTH**

**Board of health:**

F. E. Trotter, M. D., president and executive health officer, Honolulu.

W. B. Pittman, attorney general, Honolulu.

Guy C. Milnor, M. D., Honolulu.

Donald S. Bowman, Honolulu.

Edwin Lewis, Honolulu.

Clarence A. MacGregor, Honolulu.

Harry L. Kerr, Honolulu.

**Executive health officer:**

\*F. E. Trotter, M. D., president of the board of health, Honolulu.

**Secretary:**

\*Florence S. Orr, Honolulu.

**Health officer, island of Hawaii:**

\*Joseph S. Caceres, Hilo.

**Health officer, island of Kauai:**

A. M. Ecklund, M. D., Koloa.

**Tuberculosis bureau:**

\*C. Alvin Dungan, M. D., director, Honolulu.

**Bureau of public health nursing:**

\*Mary Williams, director, Honolulu.

**Bureau of communicable diseases:**

\*James R. Enright, M. D., director, Honolulu.

**Laboratory technician:**

\*Alson Watt, Honolulu.

**Bureau of maternal and infant hygiene:**

Frederick K. Lam, M. D., director, Honolulu.

**Bureau of sanitation:**

\*S. W. Tay, director, Honolulu.

\*Fred Schultz, division supervisor, Honolulu.

\*Clifford H. Bowman, division supervisor, island of Hawaii, Hilo.

\*R. C. Lane, division supervisor, island of Maui, Wailuku.

\*A. P. Christian, division supervisor, island of Kauai, Lihue.

\*Robert B. Pauole, sanitary inspector, Leward Molokai, Kaunakakai.

**Bureau of pure food and drugs:**

\*M. B. Bairos, director, Honolulu.

**Territorial hospital:**

\*A. B. Kroll, superintendent, Kaneohe, Oahu.

\*A. B. Eckerd, M. D., medical director, Kaneohe, Oahu.

**Bacteriologist, island of Hawaii:**

\*Fred S. Paine, Hilo.

**Bacteriologist, island of Maui:**

Halliburton McCoy, M. D., Puunene.

**Bacteriologist, island of Kauai:**

A. M. Ecklund, M. D., Koloa.

**Appropriations, biennium 1935-37:**

<b>Board of health—general administration:</b>			
Personal services.....	\$50,068.00		
Other current expenses.....	6,274.94		
Equipment.....	825.06		
			\$57,798.00
<b>Bureau of vital statistics:</b>			
Personal services.....	20,243.52		
Other current expenses.....	5,000.00		
Equipment.....	850.00		
			25,693.52
<b>Tuberculosis bureau:</b>			
Personal services.....	15,742.08		
Other current expenses.....	9,100.00		
Equipment.....	700.00		
			25,542.08
<b>Tuberculosis—private hospitals:</b>			
Contributions to Leahi Home.....	172,000.00		
Contributions to Kula Sanitarium.....	96,000.00		
Contributions to Samuel Mahelona Memorial Hospital.....	66,000.00		
			334,000.00
<b>Bureau of public-health nursing:</b>			
Personal services.....	159,802.98		
Other current expenses.....	35,173.83		
Equipment.....	3,500.64		
Motor vehicles.....	24,069.53		
			222,546.98
<b>Plague campaign:</b>			
Personal services.....	63,212.52		
Other current expenses.....	23,772.34		
Equipment.....	585.19		
Motor vehicles.....	2,304.47		
Structures and permanent improvements.....	850.00		
			90,224.52
<b>Bureau of communicable diseases:</b>			
Personal services.....	36,064.80		
Other current expenses.....	20,000.00		
Equipment.....	905.41		
Motor vehicles.....	1,527.59		
			58,497.80
<b>Bureau of maternal and infant hygiene:</b>			
Personal services.....	7,594.56		
Other current expenses.....	6,550.00		
			14,144.56
<b>Bureau of pure food and drugs:</b>			
Personal services.....	15,327.36		
Other current expenses.....	1,122.00		
Equipment.....	135.00		
			16,584.36
<b>Board of examiners:</b>			
Personal services.....	233.28		
Other current expenses.....	246.00		
			579.28

<b>Bureau of sanitation:</b>	
Personal services.....	\$118, 905. 84
Other current expenses....	18, 838. 00
Equipment.....	465. 00
Motor vehicles.....	3, 987. 00
	<hr/>
	\$142, 195. 84
<b>Government physicians:</b>	
Personal services.....	79, 728. 36
<b>Territorial hospital (insane):</b>	
Personal services.....	420, 953. 58
Other current expenses....	247, 165. 00
Equipment.....	14, 027. 00
Motor vehicles.....	5, 000. 00
Structures and permanent improvements.....	15, 250. 00
	<hr/>
	702, 395. 58
<b>Total.....</b>	<b>1, 769, 830. 88</b>

### IDAHO DEPARTMENT OF PUBLIC WELFARE

#### Department of public welfare:

- \*Lewis Williams, commissioner.
- \*W. V. Leonard, B. S. M. E., State chemist and sanitary engineer.
- \*Lawrence J. Peterson, bacteriologist.
- \*A. W. Klotz, assistant chemist.
- \*James M. Welsh, dairy food, drug, hotel, and sanitary inspector.
- \*C. H. Watson, dairy, food, drug, hotel, and sanitary inspector.

#### Division of public health:

- Executive health officer:**
- \*J. D. Dunshee, M. D., director, Boise.
- Bureau of local health service:**
- \*L. A. Lambert, M. D.
- Bureau of maternal and child health and crippled children:**
- \*Carlyle Thompson, M. D.
- Bureau of sanitary engineering:**
- \*W. V. Leonard.
- Bureau of laboratories:**
- \*L. J. Peterson.
- Bureau of public health nursing:**
- \*Kathryn McCabe.
- Bureau of vital statistics:**
- \*Pearl Dillingham.

#### Appropriations for biennial period ending

Dec. 31, 1936:	
Personal services.....	\$44, 560
Other expenses.....	17, 600
Venerable-disease control.....	2, 000
Vaccines and antitoxins.....	4, 000
Child hygiene.....	3, 085
	<hr/>
<b>Total.....</b>	<b>71, 245</b>

#### Other sources of revenue:

Aid through Social Security for public health work, maternal and child health, and crippled children.

### ILLINOIS DEPARTMENT OF PUBLIC HEALTH

#### Board of public health advisors:

- Clifford U. Collins, M. D., chairman.
- E. J. Doering, M. D.
- E. Samuel Munson, M. D.
- Maurice Rubel, M. D.

#### Executive health officer:

- \*Frank J. Jirka, M. D., director of public health, Springfield.

#### Assistant director of public health:

- \*A. C. Baxter, M. D.

#### Division of sanitary engineering:

- \*Clarence W. Klassen, C. E., chief sanitary engineer.

#### Division of communicable diseases:

- \*J. J. McShane, M. D., D. P. H., chief.

#### Division of child hygiene and public-health nursing:

- \*Grace S. Wightman, M. D., chief.

#### Division of tuberculosis:

- \*A. C. Baxter, M. D., acting chief.

#### Division of laboratories:

- \*Howard J. Shaughnessy, Ph. D., chief.

#### Division of vital statistics:

- \*Sheldon L. Howard, registrar.

#### Division of public-health instruction:

- \*Baxter K. Richardson, chief.

#### Division of hotel and lodging-house inspection:

- Thomas J. O'Grady, superintendent.

#### Appropriations for biennial period ending

June 30, 1937:	
Salaries.....	\$707, 000
Salaries State officers.....	27, 800
Office expenses.....	23, 176
Traveling expenses.....	128, 661
Operation.....	261, 116
Repairs and equipment.....	25, 875
Contingent.....	65, 000
Printing.....	50, 000
Postage.....	25, 000
Sanitary water-board law.....	30, 000
Rabies.....	12, 000
Emergency.....	25, 000
	<hr/>
<b>Total.....</b>	<b>1, 380, 623</b>

#### Publications issued by health department:

- Illinois Health Messenger (biweekly).
- Weekly statistical bulletin for health officers.
- Quarterlies on sanitation of water, milk, swimming pools, sewage disposal.
- Newspaper releases and manuscript of radio broadcasts.
- Educational health circulars.

### INDIANA DEPARTMENT OF COMMERCE AND INDUSTRY, DIVISION OF PUBLIC HEALTH

#### Board of health:

- Ernest Ruppel, M. D., president, Indianapolis.
- Edmund M. Van Buskirk, M. D., Fort Wayne.
- John Clay Glackman, M. D., Rockport.
- Verne K. Harvey, M. D., secretary, Indianapolis.

#### Executive health officer:

- \*Verne K. Harvey, M. D., C. P. H., director, Indianapolis.

#### Collaborating epidemiologist and assistant director:

- Thurman B. Rice, M. D., Indianapolis.

#### Epidemiologist:

- \*J. W. Jackson, M. D., Indianapolis.

#### Bureau of vital statistics:

- H. W. Wright, statistician and registrar, director, Indianapolis.

#### Bacteriological laboratory:

- Clyde G. Culbertson, M. D., director, Indianapolis.

#### Division of chemistry:

- \*Martin L. Lang, State food and drug commissioner, Indianapolis.

#### Bureau of sanitary engineering:

- \*B. A. Poole, B. S. C. E., director, Indianapolis.

#### Food and drug laboratory:

- \*Frank J. Koehne, B. Ch. E., director, Indianapolis.

#### Bureau of health education:

- \*Bynum Legg, director, Indianapolis.

#### Bureau of housing, industrial and school hygiene:

- \*Fred K. Myles, director, Indianapolis.

#### Bureau of public health nursing:

- \*Eva F. MacDougall, R. N., Indianapolis.

#### Appropriation for fiscal year beginning July 1, 1936,

- and ending June 30, 1937, \$207,300.

### IOWA STATE DEPARTMENT OF HEALTH EX OFFICIO

Clyde L. Herring, governor, Des Moines.  
Mrs. Alex Miller, secretary of State, Des Moines.  
Leo J. Wegman, treasurer of State, Des Moines.  
Ray Murray, secretary of agriculture, Des Moines.  
Walter L. Bierring, M. D., State commissioner of health, Des Moines.

#### APPOINTIVE BY GOVERNOR

Edward M. Myers, M. D., chairman, Boone.  
Herbert E. Story, M. D., secretary, Osceola.  
William E. Walsh, M. D., Hawkeye.  
Walter A. Sternberg, M. D., Mt. Pleasant.  
Charles E. Irwin, M. D.

**Executive health officer:**

- \*Walter L. Bierring, M. D., commissioner of health, Des Moines.
- \*Frederick J. Swift, M. D., deputy commissioner, Des Moines.

**Division of communicable diseases and epidemiology:**

- \*Carl F. Jordan, M. D., C. P. H., director, Des Moines.

**Division of child health and health education:**

- \*J. H. Kinnaman, M. D., director, Des Moines.

**Division of public health engineering:**

- \*A. H. Wleters, director, Des Moines.

**State hygienic laboratories:**

- \*M. E. Barnes, M. D., director, Iowa City.

**Division of public health nursing:**

- \*Edith S. Countryman, R. N., director, Des Moines.

**Division of vital statistics:**

- \*R. L. McLaren, director, Des Moines.

**Division of licensure and registration:**

- \*H. W. Grete, director, Des Moines.

**Division of law enforcement:**

- \*Herman B. Carlson, director, Des Moines.

**Division of barber inspection:**

- \*William B. Wilson, director, Des Moines.

**Division of cosmetology inspection:**

- \*Hilda Geerdes, executive secretary, Des Moines.

**Housing work is carried on by engineering division.**

Medical, dental, optometry, cosmetology, chiropractic, osteopathy, embalming, podiatry, and barber examining boards are combined in the State Department of Health.

**Executive secretary:**

- Albert F. Vogt, Des Moines.

**Appropriations for fiscal year ending June 30, 1936:**

For salaries, support, maintenance, and miscellaneous purposes.....	\$45,160
For child health and health education.....	8,500
For inspector salaries, support, maintenance, and miscellaneous.....	3,940
For public health engineering salaries, support, maintenance, and miscellaneous.....	19,280
For barber inspection salaries, support, maintenance, and miscellaneous.....	15,520
For cosmetology inspection salaries, support, maintenance, and miscellaneous.....	12,040
For the following examining boards: Medical, dental, osteopathy, chiropractic, embalmers, optometry, podiatry.....	8,755

Total..... 113,195

**Publications:**

- Biennial report.
- Quarterly bulletin.
- Weekly health message.

**KANSAS STATE BOARD OF HEALTH**

**Board of health:**

- George I. Thacher, M. D., president, Waterville.
- Clay E. Coburn, M. D., Kansas City.
- H. L. Aldrich, M. D., Caney.
- Alfred E. O'Donnell, M. D., Ellsworth.
- Charles W. Robinson, M. D., Atchison.
- W. J. Eilers, M. D., Wichita.
- W. C. Lathrop, M. D., Norton.
- J. G. Stewart, M. D., Topeka.
- Herbert Smith, M. D., Pittsburg.
- A. B. Mitchell, LL. B., Lawrence.

**Executive health officer:**

- \*Earle G. Brown, M. D., Secretary State board of health, Topeka.

**Division of vital statistics:**

- \*C. L. Miller, M. D., State registrar.

**Division of communicable diseases:**

- \*C. H. Kinnaman, M. D., epidemiologist, Topeka.

**Division of food and drugs:**

- \*Thomas I. Dalton, Ph. C., assistant chief food and drug inspector, Topeka.

**Division of child hygiene:**

- \*H. R. Ross, M. D., chief, Topeka.

**Division of sanitation:**

- Earnest Boyce, chief, Lawrence.

**Division of public health education:**

- \*Earle G. Brown, M. D., director, Topeka.

**Division of tuberculosis:**

- \*Clifton Hall, M. D., director.

**Division of venereal diseases:**

- \*Robert H. Riedel, M. D., director.

**Water and sewage laboratories at Kansas University:**

- Earnest Boyce, director, Lawrence.

**Food laboratory at Kansas University:**

- H. P. Cady, director.

**Drug laboratory at Kansas University:**

- Prof. L. D. Havenhill, director of drug analysis, Lawrence.

**Food laboratory at Kansas Agricultural College:**

- Prof. H. H. King, director of food analysis, Manhattan.

**Public health laboratory, Topeka:**

- \*Ross L. Laybourn, bacteriologist, in charge.

**Appropriations for year ending June 30, 1936:**

	Salaries	Total
Executive.....	\$4,400	\$2,000
Division of communicable diseases.....	8,460	8,000
Division of food and drugs.....	8,140	6,000
Division of child hygiene.....	5,835	2,185
Division of cooperative county health work.....		6,000
Public health laboratory.....	6,605	3,195
Division of sanitation (engineering, water, and sewage).....		2,400
Board members.....	200	800
Total.....	33,640	30,560

**Other sources of revenue:**

- Marriage fees, approximately \$20,000.
- Water and ice analysis fees, approximately \$14,000.

**Publications issued by health department:**

- Biennial report.
- Weekly morbidity report.

**KENTUCKY STATE DEPARTMENT OF HEALTH**

**Department of health:**

- E. M. Howard, M. D., president, Harlan.
- George S. Coon, M. D., Louisville.
- A. T. McCormack, M. D., secretary, Louisville.
- J. Watts Stovall, M. D., Grayson.
- John H. Blackburn, M. D., Bowling Green.
- W. H. Fuller, M. D., Mayfield.
- A. W. Davis, M. D., Madisonville.
- C. J. Johnson, D. O., Louisville.
- James J. Goodwin, Louisville.

**Executive officer:**

- \*A. T. McCormack, M. D., D. P. H., State health commissioner, Louisville.

**Bureau of county health work:**

- \*P. E. Blackerby, M. D., assistant State health commissioner, Louisville.
- \*V. A. Stillely, M. D., field director, Benton.
- \*W. F. Lamb, M. D., field director, Stanford.
- \*Juanita Jennings, M. D., field director, Louisville.

**Bureau of vital statistics:**

- \*J. F. Blackerby, director, Louisville.

**Bureau of bacteriology:**

- \*Lillian H. South, M. D., director, Louisville.

**Bureau of sanitary engineering:**

- \*F. C. Dugan, C. E., director, Louisville.

**Bureau of foods, drugs, and hotels:**

- \*Sarah Vance Dugan, director, Louisville.

**Bureau of venereal diseases:**

**Bureau of public health nursing:**

- \*Margaret L. East, R. N., director, Louisville.

**Bureau of maternal and child health:**

- \*Annie S. Veech, M. D., director, Louisville.

**Bureau of prevention of trachoma and blindness:**

- United States Trachoma Hospital:
- \*Robert Sory, M. D., medical officer in charge.

**Bureau of budget:**

- \*Elva V. Grant, director, Louisville.

**Bureau of epidemiology:**

- \*F. W. Candill, M. D., director, Louisville.

**Bureau of tuberculosis:**

- \*John B. Floyd, M. D., director, Louisville.
- State tuberculosis sanatorium:
  - \*Paul A. Turner, M. D., director and superintendent, Louisville.

**Bureau of dental health:**

- J. F. Owen, D. D. S., director, Lexington.

**Bureau of public health education:**

- \*John W. Kelly, director.
- \*Mayme Sullivan, chief clerk.

**Bureau of medical registration:**

- \*John G. South, M. D., director, Louisville.

**Appropriations for fiscal year ending June 30, 1937:**

Central administration for all departments.....	\$157,500
Full-time county health departments....	250,500
State tuberculosis sanatorium.....	44,000
<b>Total.....</b>	<b>452,000</b>

**LOUISIANA DEPARTMENT OF HEALTH****State board of health:**

- J. A. O'Hara, M. D., president, New Orleans.
- S. E. Graham, M. D., Melville.
- S. J. Couvillon, M. D., Moreauville.
- Jas. C. Sartor, M. D., Rayville.
- (Other members to be appointed.)
- Fannie B. Nelken, secretary.

**Executive health officer:**

- \*J. A. O'Hara, M. D., president, State board of health, New Orleans.

**Bacteriologist:**

- \*W. H. Seemann, M. D., New Orleans.

**Registrar of vital statistics:**

- \*P. A. Kibbe, M. D., New Orleans.

**Bureau of communicable diseases:**

- C. L. Brown, M. D., New Orleans.
- Bureau of public health administration:
  - \*R. W. Todd, M. D., director, New Orleans.

**Sanitary engineer:**

- \*John H. O'Neill, New Orleans.

**Analyst:**

- \*Cassius L. Clay, New Orleans.

**Sanitary inspection:**

- \*Peter Rohrs, Jr., chief, New Orleans.

**Auditor:**

- \*Phil Arras, New Orleans.

**Appropriations for fiscal years:**

1934-37..... \$430,000

1937-38..... 430,000

**Publications issued by health department:**

- Quarterly bulletin.
- Biennial report.
- Miscellaneous leaflets.

**MAINE DEPARTMENT OF HEALTH AND WELFARE****Advisory council of health and welfare:**

- Miss Sally P. Moses, Bangor.
- George W. Lane, Jr., Auburn.
- Mrs. Helen C. Donahue, Portland.
- E. V. Call, M. D., Lewiston.
- Irving E. Pendleton, D. M. D., Lewiston.

**Bureau of health:**

- \*George H. Coombs, M. D., director, Augusta.

**Division of administration:**

- \*George H. Coombs, M. D., director, Augusta.
- \*Roscoe L. Mitchell, M. D., deputy director, Augusta.

**Division of communicable diseases:**

- \*Roscoe L. Mitchell, M. D., Augusta.

**Division of laboratories:**

- \*A. H. Morrell, M. D., Augusta.

**Division of sanitary engineering:**

- \*Elmer W. Campbell, D. P. H., Augusta.

**Division of vital statistics:**

- \*George H. Coombs, M. D., State registrar, Augusta.

**Division of social hygiene:**

- \*George H. Coombs, M. D., Augusta.

**Division of public health nursing and child hygiene:**

- \*Edith L. Soule, R. N., Augusta.

**Division of dental hygiene:**

- \*Dorothy Bryant, D. H., Augusta.

**Division of maternal and child health and crippled children:**

- \*Herbert B. Kobes, M. D., Augusta.

**District health officers:**

- \*J. L. Pepper, M. D., South Portland.
- \*C. N. Stanhope, M. D., Dover-Foxcroft.
- \*J. W. Loughlin, M. D., Newcastle.
- \*B. F. Porter, M. D., Caribou
- \*J. A. MacDonald, M. D., Machias.

**Appropriations for fiscal year ending June 30, 1936:**

Administration.....	\$67,700
District and local health officers.....	26,200
Veneral-disease control work.....	10,000
Maternity and child-welfare work.....	26,000
Branch State laboratory, Caribou.....	2,900
Aid for typhoid carriers.....	4,800
Completion of vital records of the State..	400
Infantile paralysis control.....	2,000
Pneumonia control.....	4,000
<b>Total.....</b>	<b>144,000</b>

**Other sources of revenue:**

- Census Bureau, Washington, D. C., and miscellaneous receipts, about \$2,000.
- License fees for camps, eating and lodging places, about \$25,000 (estimated).

**MARYLAND DEPARTMENT OF HEALTH****Board of health:**

- Robert H. Riley, M. D., Dr. P. H., chairman, Baltimore.
- Thomas S. Cullen, M. D., Baltimore.
- Herbert R. O'Connor, attorney general, Baltimore.
- Joseph Irwin France, M. D., Port Deposit.
- Huntington Williams, M. D., Dr. P. H., Baltimore.
- Tolley A. Blays, C. E., Baltimore.
- Benjamin C. Perry, M. D., Bethesda.
- E. F. Kelly, Phar. D., Baltimore.
- George M. Anderson, D. D. S., Baltimore.

**Executive health officer:**

- \*Robert H. Riley, M. D., Dr. P. H., director of health, Baltimore.

**Division of personnel and accounts:**

- \*Walter N. Kirkman, chief, Baltimore.

**Division of oral hygiene:**

- \*Richard C. Leonard, D. D. S., chief, Baltimore.

**Division of legal administration:**

- \*J. Davis Donovan, LL. B., chief, Baltimore.

**Committee on public health education:**

- \*Gertrude B. Knipp, secretary, Baltimore.

**Bureau of communicable diseases:**

- \*Robert H. Riley, M. D., Dr. P. H., chief, Baltimore.
- \*C. H. Halliday, M. D., epidemiologist, Baltimore.
- \*C. W. G. Rohrer, M. D., Ph. D., diagnostician, Baltimore.

**Bureau of vital statistics:**

- \*Arthur W. Hedrich, chief, Baltimore.

**Food and drug commissioner:**

- \*A. L. Sullivan, chief, Baltimore.

**Deputy food and drug commissioner:**

- \*R. L. Swain, Phar. D., LL. B.

**Bureau of bacteriology:**

- \*C. A. Perry, chief, Baltimore.

**Bureau of sanitary engineering:**

- \*Abel Wolman, B. S. E., chief, Baltimore.

**Bureau of chemistry:**

- \*William F. Reindollar, chief, Baltimore.

**Bureau of child hygiene:**

- \*J. H. Mason Knox, Jr., Ph. D., M. D., chief, Baltimore.

**Appropriations for fiscal year ending September 30, 1937, \$368,802.****Publications issued by health department:**

- Annual report.
- Weekly News Letter.
- Monthly bulletin.

**MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH****Public health council:**

- Henry D. Chadwick, M. D., chairman, Boston.
- Richard M. Smith, M. D., Boston.
- Francis H. Lally, M. D., Milford.
- Richard P. Strong, M. D., Boston.
- Sylvester E. Ryan, M. D., Springfield.
- James L. Tighe, Holyoke.
- Gordon Hutchins, Concord.

**Executive health officer:**

\*Henry D. Chadwick, M. D., State Commissioner of public health, Boston.

**Secretary:**

\*Florence L. Wall.

**Division of administration:**

(Under direction of commissioner.)

**Division of communicable diseases:**

\*Gaylord W. Anderson, M. D., director, Boston.

**Division of sanitary engineering:**

\*Arthur D. Weston, C. E., director and chief engineer, Boston.

**Division of biologic laboratories:**

\*Elliott S. Robinson, M. D., director and pathologist, Boston.

**Division of food and drugs:**

\*Hermann C. Lythgoe, director and analyst, Boston.

**Division of child hygiene:**

\*M. Luise Diez, M. D., director, Boston.

**Division of tuberculosis sanatoria:**

\*Alton S. Pope, M. D., director, Boston.

**Division of adult hygiene:**

\*Herbert L. Lombard, M. D., director, Boston.

**Appropriations for department of public health, 1936:**

**Division of administration:**

Salary of commissioner..... \$7,500  
 Personal services..... 20,070  
 Services other than personal..... 9,800

**Division of child hygiene:**

Personal services of director and assistants..... 38,220  
 Services other than personal..... 15,000  
 Personal services in connection with maternal and infant hygiene..... 25,440  
 Expenses in connection with maternal and infant hygiene..... 10,200

**Division of communicable diseases:**

Personal services of director, district health officers, etc..... 75,700  
 Services other than personal..... 15,200  
 Personal services in connection with control of venereal diseases..... 12,720  
 Expenses in connection with control of venereal diseases..... 29,000

**Wassermann Laboratory:**

For personal services..... 17,820  
 For expenses of laboratory..... 5,800

**Antitoxin and vaccine laboratory:**

For personal services..... 77,080  
 Other services..... 36,500

**Inspection of food and drugs:**

For personal services..... 59,800  
 Other services..... 13,000

**For administering the shellfish law:**

Personal services..... 2,040  
 Other services..... 870

**Water supply and disposal of sewage:**

For personal services..... 122,350  
 For other services..... 27,800

**Division of tuberculosis:**

For personal services..... 37,200  
 Services other than personal..... 4,850  
 For personal services of tuberculosis clinic units..... 34,050  
 Services other than personal (clinic units)..... 13,100  
 Payment of subsidies..... 462,000

For maintenance of and for certain improvements at the Lakeville, North Reading, Rutland, and Westfield State sanatoria..... 1,282,444

**Division of adult hygiene:**

For personal services..... 48,190  
 For other expenses..... 49,500

**Cancer hospital at Norfolk:**

For maintenance of and for certain improvements..... 352,575

Total..... 2,905,819

**MICHIGAN DEPARTMENT OF HEALTH**

**Advisory council of health:**

Robert B. Harkness, M. D., Houghton.  
 U. G. Rickett, D. D. S., Ann Arbor.  
 Louis J. Hirschman, M. D., Detroit.  
 E. A. Schilz, M. D., Grand Ledge.

**Advisory Council of health—Continued.**

George J. Curry, M. D., Flint.

**Executive health officer:**

\*O. C. Slemmons, M. D., Dr. P. H., State health commissioner, Lansing.

**Bureau of engineering:**

\*E. D. Rich, C. E., director.  
 \*Willard F. Shepard, assistant engineer.  
 \*Raymond J. Faust, C. E., assistant engineer.  
 \*Orla E. McGuire, assistant engineer.  
 \*LaRue L. Miller, assistant engineer.  
 \*C. Theodore Mudgett, assistant engineer.

**Bureau of laboratories:**

\*C. C. Young, Ph. D., D. P. H., director.  
 \*Wm. E. Bunney, Ph. D., associate director, biologic products division.  
 \*Minna Crooks, bacteriologist, associate director.  
 \*G. D. Cummings, Ph. D., assistant director.  
 \*Pearl L. Kendrick, associate director, Western Michigan division.  
 \*Ora M. Mills, associate director, Upper Peninsula division.

\*A. Exworthy, analytical chemist.  
 \*Russell Y. Gottschall, Ph. D., bacteriologist.  
 \*A. B. Haw, physiological chemist.  
 \*M. B. Kurtz, D. V. M., serologist.  
 \*C. B. Line, D. V. M., veterinary pathologist.  
 \*Roy W. Fryer, Dr. P. H., immunologist.  
 \*J. T. Tripp, Ph. D., physiological chemist.  
 \*Beulah D. Westerman, Ph. D., bacteriologist.  
 \*M. M. Woodward, toxicological chemist.

**Bureau of child hygiene and public health nursing:**

\*Lillian R. Smith, M. D., director.  
 Pearl A. Toivonen, M. D., field physician.  
 \*Helen de Spelder Moore, R. N., assistant director.

**Bureau of records and statistics:**

\*W. J. V. Deacon, M. D., director.  
 \*Stuart T. Friant, statistician.

**Bureau of education:**

\*Marjorie Delavan, director.  
 \*Pearl Turner, assistant director.  
 \*Wilbur J. Myers, charge of publications.  
 \*Leah Baldwin, librarian.  
 \*Melita Hutzler, lecturer.

**Bureau of communicable diseases:**

\*C. D. Barrett, M. D., C. P. H., director.  
 \*Filip Forsbeck, M. D., associate director, in charge of typhoid fever control.  
 \*A. W. Newitt, M. D., C. P. H., field epidemiologist, in charge of tuberculosis control.  
 Richard Sears, M. D., field epidemiologist.

**Bureau of mouth hygiene:**

\*William R. Davis, D. D. S., director.

**Bureau of county health administration:**

\*A. B. Mitchell, M. D., director.

**Bureau of industrial hygiene:**

\*John Hepler, C. E., director.  
 \*Herbert Walworth, chemical engineer.

**Appropriations for fiscal year ending June 30, 1937:**

Personal services..... \$220,000  
 Supplies..... )  
 Contractual service..... 104,450  
 Outlay for equipment..... 5,500  
 County health departments..... 96,000  
 Smallpox vaccine, toxoid manufacturing..... 5,000  
 Beaver Island, physicians..... 2,500  
 Antipneumococcus and antimeningococcus products..... 10,000

Total..... 443,450

**Publications issued by health department:**

Monthly bulletin.  
 Annual report.  
 Communicable-disease pamphlets.  
 Sex-hygiene pamphlets.  
 Child-hygiene pamphlets.  
 Engineering bulletins.  
 Mouth-hygiene pamphlets.  
 Scientific reprint series.  
 Rules and regulations.

**MINNESOTA DEPARTMENT OF HEALTH**

**Board of health:**

Frederic Bass, C. E., president, Minneapolis.  
 A. S. Millnowski, C. E., vice president, St. Paul.  
 N. G. Mortansen, M. D., St. Paul.

**Board of health—Continued.**

- S. Z. Kerlan, M. D., Aitkin.
- E. T. Fitzgerald, M. D., Morris.
- Thomas G. Bell, Duluth.
- Erling S. Platou, M. D., Minneapolis.
- C. L. Melby, D. C., Owatonna.
- E. J. Engberg, M. D., St. Paul.
- Executive health officer, State Office Bldg., St. Paul:**
  - \*A. J. Chealey, M. D., secretary and executive officer.
- Division of administration, State Office Bldg., St. Paul:**
  - \*O. O. Pierson, director.
- Division of vital statistics, State Office Bldg., St. Paul:**
  - \*Gerda C. Pierson, director.
- Division of hotel inspection, State Office Bldg., St. Paul:**
  - \*Laura E. Naplin, State Hotel Inspector.
- Division of preventable diseases (including venereal diseases), University Campus, Minneapolis:**
  - \*O. McDaniel, M. D., director.
  - \*Lucy Heathman, Ph. D., M. D., assistant director and chief of laboratories.
  - \*W. P. Greene, M. D., senior epidemiologist.
  - \*F. G. Gunlaugson, M. D., epidemiologist.
- Division of sanitation, University Campus, Minneapolis:**
  - \*H. A. Whittaker, director.
  - \*O. E. Brownell, C. E., senior sanitary engineer.
- Division of child hygiene, university campus, Minneapolis:**
  - Everett C. Hartley, M. D., director.
  - \*Olivia T. Peterson, R. N., superintendent of public-health nursing.
- Local health units, State Office Building, St. Paul:**
  - \*Robert N. Barr, M. D., C. P. H., Director, central administration.
- Appropriations for fiscal years ending June 30, 1936 and 1937:**

	1936	1937
<b>Divisions of administration and vital statistics:</b>		
Salaries.....	\$32,000	\$32,000
Expenses.....	6,200	8,000
Providing free antitoxin and other biologics.....	15,000	15,000
For aid to typhoid carriers.....	7,500	7,500
For printing lists of persons licensed to practice the healing arts.....	450	450
<b>Division of preventable diseases:</b>		
Preventable diseases and laboratory.....	74,000	74,000
Venereal disease control and venereal disease education.....	22,000	22,000
<b>Division of sanitation:</b>		
Sanitary engineering and laboratory.....	25,000	25,000
Stream pollution survey.....	10,000	10,000
<b>Division of child hygiene:</b>		
Protection for maternity and infancy.....	22,000	22,000
Indian health work.....	9,000	9,000
<b>Division of hotel inspection:</b>		
Hotel inspection.....	34,500	34,500
<b>Total.....</b>	<b>257,650</b>	<b>259,450</b>

Publications issued by health department:  
Educational pamphlets.

**MISSISSIPPI STATE BOARD OF HEALTH**

- Board of health:**
- J. W. Lipscomb, M. D., president, Columbus.
  - Felix J. Underwood, M. D., secretary, Jackson.
  - S. E. Eason, M. D., New Albany.
  - L. B. Austin, M. D., Rosedale.
  - H. L. McKinnon, M. D., Hattiesburg.
  - B. J. Shaw, M. D., Slate Spring.
  - L. W. Brock, M. D., McComb.
  - John B. Howell, M. D., Canton.
  - W. H. Banks, M. D., Philadelphia.
  - William R. Wright, D. D. S., Jackson.

**Executive health officer:**

\*Felix J. Underwood, M. D., secretary, State board of health, Jackson.

**Vital statistics:**

\*R. N. Whitfield, M. D., director, Jackson.

**Child hygiene and public-health nursing:**

\*Felix J. Underwood, M. D., acting director, Jackson.

\*Mary D. Osborne, R. N., associate director, public-health nursing, Jackson.

\*Gladys Eyrich, supervisor, oral hygiene, Jackson.

**Hygienic laboratory:**

\*T. W. Kemmerer, M. D., director, Jackson.

**Sanitary engineering:**

\*H. A. Kroeze, C. E., director, Jackson.

\*N. M. Parker, D. V. S., State meat and milk supervisor, Jackson.

\*C. M. Ledbetter, assistant State sanitary engineer, Jackson.

\*Floyd Ratliff, State sanitary inspector, Jackson.

**County health work:**

\*H. C. Ricks, M. D., C. P. H., director, Jackson.

\*John A. Milne, M. D., M. P. H., assistant director, Jackson.

\*Ora E. Phillips, R. N., supervising nurse.

\*Joseph E. Johnston, field supervisor of sanitation, Jackson.

**Tuberculosis control:**

\*Henry Boswell, M. D., director, Sanatorium.

\*W. D. Hickerson, M. D., clinician, field tuberculosis diagnostic unit, Sanatorium.

**Industrial hygiene:**

\*J. W. Dugger, M. D., director, Jackson.

**Epidemiological unit:**

\*A. L. Gray, M. D., M. P. H., director, Jackson.

\*Catherine Mayfield, bacteriologist.

\*Margaret Meade, nurse-investigator.

**Health education:**

\*Eva Moore Adams, supervisor.

\*Louise Williams, librarian.

State appropriations for period July 1, 1936, to June 30, 1937, \$175,000; July 1, 1937, to June 30, 1938, \$175,000.

**Publications issued by health department:**

Biennial report.

Health pamphlets.

**MISSOURI STATE BOARD OF HEALTH**

**Board of health:**

T. S. Bourke, M. D., president, Kansas City.

W. L. Brandon, M. D., vice president, Poplar Bluff.

F. W. Bailey, M. D., St. Louis.

W. T. Elam, M. D., St. Joseph.

P. T. Bohan, M. D., Kansas City.

E. S. Smith, M. D., Kirksville.

E. T. McGaugh, B. L., M. D., State health commissioner, Jefferson City.

**Executive health officer:**

\*E. T. McGaugh, B. L., M. D., State health commissioner, Jefferson City.

**Epidemiology:**

\*E. K. Musson, M. D., M. P. H., epidemiologist.

**Laboratories:**

\*C. F. Adams, B. Agr., M. D., director.

**Sanitary engineering:**

\*Robert Stewart, M. E., assistant chief engineer.

**Child hygiene and cooperative county health work:**

\*H. S. Gove, M. D., director.

**Public health nursing:**

\*Miss Helena Dunham, R. N., director.

Appropriations for the State board of health, biennial period, 1935-36:

State board of health:

Additions.....	\$2,000
Operation.....	40,000
Personal service.....	165,000
<b>Total.....</b>	<b>207,000</b>

**Water and sewage fund (from fees):**

Operation.....	5,000
Personal service.....	9,000
<b>Total.....</b>	<b>14,000</b>

**Board of health fund (medical licensure, from fees):**

Operation.....	5,000
Personal service.....	20,000
<b>Total.....</b>	<b>25,000</b>

**Public health nursing—Continued.**

<b>Cosmetology and hairdressing:</b>	
Additions.....	\$300
Repairs and replacements.....	100
Operation.....	12,000
Personal service.....	26,000
<b>Total.....</b>	<b>38,300</b>
<b>Food and drug:</b>	
Operation.....	34,000
Personal service.....	68,000
<b>Total.....</b>	<b>102,000</b>

**MONTANA DEPARTMENT OF PUBLIC HEALTH**

- Board of health:**  
 L. H. Fligman, M. D., president, Helena.  
 George F. Turman, M. D., Missoula.  
 E. M. Porter, M. D., Great Falls.  
 B. L. Pampel, M. D., Livingston.  
 E. G. Balsam, M. D., Billings.  
 W. F. Cogswell, M. D., secretary, Helena.
- Executive health officer:**  
 \*W. F. Cogswell, M. D., secretary, Helena.
- Division of communicable diseases:**  
 \*B. K. Kilbourne, M. D., epidemiologist and director of county health work, Helena.
- Division of child welfare:**  
 \*Jessie M. Bierman, M. D., director, Helena.
- Division of food and drugs:**  
 \*J. W. Forbes, director, Helena.
- Division of vital statistics:**  
 \*W. F. Cogswell, M. D., State registrar, Helena.  
 \*L. L. Benepe, deputy State registrar, Helena.
- Division of water and sewage:**  
 \*H. B. Foote, director, Helena.  
 W. M. Cobleigh, consulting sanitary engineer, Bozeman.  
 \*Ludwig Champa, analyst, Helena.  
 \*C. W. Brinck, assistant sanitary engineer, Helena.
- Hygienic laboratory:**  
 \*Fred D. Stimpert, director, Helena.  
 \*Edith Kuhns, technician, Helena.  
 E. D. Hitchcock, M. D., consulting bacteriologist, Great Falls.

Appropriations for the years ending June 30:

	1936	1937
Salaries.....	\$23,300	\$35,000
Operating expenses.....	15,750	14,500
Capital repairs and replacements.....	500	300
Division of child welfare.....	10,500	9,000
Board of antomology (Rocky Mountain spotted-fever work).....	3,000	500
<b>Total.....</b>	<b>53,050</b>	<b>59,300</b>

**NEBRASKA DEPARTMENT OF HEALTH**

- Executive health officer:**  
 \*P. H. Bartholomew, M. D., acting director of health, Lincoln.  
 Collaborating epidemiologist:  
 \*P. H. Bartholomew, M. D., Lincoln.
- Bacteriologist:**  
 \*L. O. Vose, Lincoln.
- Division of venereal diseases:**  
 \*P. H. Bartholomew, M. D., director, Lincoln.
- Statistician:**  
 \*Jean Barrett, Lincoln.
- Medical examining board:**  
 W. R. Boyer, M. D., Pawnee City.  
 H. J. Lehnhoff, M. D., Lincoln.  
 F. A. DeOgny, M. D., Milford.

Appropriations for biennial period ending June 30, 1937:

Salary of director.....	\$6,400
Salaries.....	20,000
Maintenance.....	10,000
Special.....	40,000
<b>Total.....</b>	<b>76,400</b>

**NEVADA STATE BOARD OF HEALTH**

- State board of health:**  
 Richard Kirman, Sr., Governor, president, Carson City.  
 John E. Worden, M. D., secretary and State health officer, Carson City.  
 W. G. Greathouse, secretary of state.  
 John Fuller, M. D., Reno.  
 C. W. West, M. D., Reno.
- Executive health officer:**  
 \*John E. Worden, M. D., State health officer, Carson City.
- State hygienic laboratory at State university:**  
 \*Vera E. Young, acting director, Reno.
- Appropriations for period from July 1, 1935, to June 30, 1937:
- |  |               |
|--|---------------|
| Salary of secretary.....   | \$5,000       |
| Salary of clerk.....   | 3,600         |
| Traveling expenses.....  | 1,000         |
| Office supplies, heat, rent, and light.....                      | 1,550         |
| Record books for county registrars.....                          | 300           |
| Equipment.....   | 200           |
| Registration of births and deaths.....                           | 350           |
| Purchase of diphteria and other dangerous disease antitoxin..... | 500           |
| <b>Total.....</b>  | <b>13,500</b> |
- Publications issued by health department:  
 Biennial report.  
 Special bulletins.

**NEW HAMPSHIRE STATE BOARD OF HEALTH**

- Board of health:**  
 George C. Wilkins, M. D., Manchester.  
 Barbara Beattie, M. D., Littleton.  
 H. Styles Bridges, Governor, Concord.  
 Thomas P. Cheney, attorney general, Laconia.  
 James W. Jameson, M. D., Concord.  
 Robert B. Kerr, M. D., Manchester.
- Executive health officer:**  
 \*Charles Duncan, M. D., secretary, State board of health, Concord.
- Division of maternity, infancy, and child hygiene:**  
 \*Mary D. Davis, R. N., director and supervising nurse, Manchester.
- Department of vital statistics:**  
 \*Charles Duncan, M. D., registrar, Concord.
- Division of chemistry and sanitation:**  
 \*Charles D. Howard, chief of division, Concord.  
 \*Frederick Vintinner, assistant chemist, Concord.  
 \*Harriet I. Albee, assistant chemist and bacteriologist, Concord.  
 \*Leonard W. Trager, assistant sanitary engineer, Concord.  
 \*Russell A. Eckloff, inspector.  
 \*Joseph X. Duval, chief inspector, Concord.
- Diagnostic and pathological department:**  
 \*William R. Macleod, serologist and diagnostic bacteriologist, Concord.  
 H. N. Kingsford, M. D., pathologist, Hanover.  
 \*Benjamin Jewell, assistant in pathological laboratory, Concord.

Venereal-disease division:

\*Charles A. Weaver, M. D., Manchester.

Appropriations for fiscal year ending June 30, 1937:

State board of health.....	\$52,260
Laboratory of hygiene.....	18,160
Vital statistics.....	4,430
<b>Total.....</b>	<b>74,850</b>

Publications issued by health department:  
 Bulletin.  
 Biennial report.

**NEW JERSEY DEPARTMENT OF HEALTH**

- Board of health:**  
 Irvin E. Deibert, M. D., president, Camden.  
 Mrs. Helen M. Berry, vice president, Newark.  
 Margaret L. MacNaughton, Jersey City.  
 Joseph N. Fowler, Bivalve.  
 E. W. Smillie, V. M. D., Plainsboro.  
 J. E. H. Guthrie, D. D. S., Newark.  
 Clyde Fotts, C. E., Morristown.

**Board of Health—Continued.**

James E. Russell, Trenton.  
 Stanley H. Nichols, M. D., Asbury Park.  
 Augustus L. L. Baker, M. D., Dover.  
**Executive health officer:**  
 \*J. Lynn Mahaffey, M. D., director of health,  
 Trenton.

**Bureau of bacteriology:**  
 \*John V. Mulcahy, chief, Trenton.  
**Bureau of chemistry:**  
 \*John E. Bacon, chief, Trenton.  
**Bureau of administration:**  
 \*Charles J. Merrell, chief, Trenton.  
**Bureau of food and drugs:**  
 \*Walter W. Scofield, chief, Trenton.  
**Bureau of child hygiene:**  
 Julius Levy, M. D., consultant, Trenton.  
**Bureau of local health administration:**  
 \*Wm. H. MacDonald, chief, Trenton.  
**Bureau of engineering:**  
 \*H. F. Croft, chief, Trenton.

**Bureau of vital statistics:**  
 \*David S. South, chief, Trenton.  
**Bureau of venereal-disease control:**  
 A. J. Casselman, M. D., consultant, Trenton.

**Appropriations for fiscal year ending  
 June 30, 1937:**

Salaries.....	\$228,985.00
Miscellaneous.....	64,218.00
Child hygiene.....	97,875.16
Venereal-disease control.....	25,420.00
Other special appropriations.....	65,985.00

Total..... 482,483.16

**Publications issued by health department:**  
 Monthly bulletin.  
 Annual report.

### NEW MEXICO BUREAU OF PUBLIC HEALTH

**Board of public welfare:**

W. W. Nichols, president, Clovis.  
 Mrs. David Chavez, vice president, Santa Fe.  
 Hugh M. Milton, II, secretary, State College.  
 Mrs. C. C. Meacham, Albuquerque.  
 L. C. White, Raton.

**Executive health officer:**

\*J. Essalyn Karp, Dr. P. E., director of public  
 health, Santa Fe.

**Division of sanitary engineering and sanitation:**

\*Paul S. Fox, M. S. in C. E., chief, Santa Fe.

**Division of county health work:**

\*C. H. Douthirt, M. D., director, Santa Fe.

**Division of epidemiology:**

\*L. A. Dewey, M. D., C. P. H., Santa Fe.

**Division of maternal and child health:**

\*George S. Littell, M. D., Santa Fe.

**State Supervisor of Public Health Nursing:**

\*Miss Mary Emma Smith, R. N., Santa Fe.

**Public-health laboratory:**

\*Myrtle Greenfield, chief, Albuquerque.

**State registrar:**

\*Miss Billy Tober, Santa Fe.

**Appropriation for years 1935-36 and 1936-37, per  
 annum, \$43,500. Fiscal year ends June 30.**

### NEW YORK STATE DEPARTMENT OF HEALTH

**Public-health council:**

Simon Flexner, M. D., LL. D., chairman, New  
 York.  
 Homer Folks, LL. D., vice chairman, Yonkers.  
 Livingston Farrand, M. D., LL. D., Ithaca.  
 Walter A. Leonard, M. D., Cambridge.  
 Henry N. Ogden, C. E., Ithaca.  
 Herman G. Weiskotten, M. D., Syracuse.  
 George Baehr, M. D., New York.  
 Clayton W. Greene, M. D., Buffalo.  
 Edward S. Godfrey, Jr., M. D. (ex officio),  
 commissioner of health, Albany.

**Executive health officer:**

\*Edward S. Godfrey, Jr., M. D., State commis-  
 sioner of health, Albany.

**Deputy commissioner of health:**

\*Paul B. Brooks, M. D., Albany.

**Assistant commissioner for local health admini-  
 stration:****Assistant commissioner for preventable diseases:**

\*George H. Ramsey, M. D., Albany.  
**General superintendent of tuberculosis hospitals:**  
 \*Robert E. Plunkett, M. D.

**Administrative officer:**

\*Edmund Schreiner, LL. B., Albany.

**Administrative finance officer:**

\*Clifford C. Shoro, Albany.

**Division of public-health education:**

\*B. R. Rickards, director, Albany.

**Division of sanitation:**

\*Charles A. Holmquist, C. E., director, Albany.

**Division of vital statistics:**

\*Joseph V. de Porte, Ph. D., director, Albany.

**Division of maternity, infancy, and child hygiene:**

\*Elizabeth M. Gardiner, M. D., director, Albany.

**Division of communicable diseases:****Division of tuberculosis:**

\*William Siegal, M. D., director, Albany.

**Division of social hygiene:****Division of laboratories and research:**

\*August B. Wadsworth, M. D., director, Albany.

**Division of public-health nursing:**

\*Marion W. Sheahan, R. N., director, Albany.

**Division of orthopedics:**

\*Walter J. Craig, M. D., director, Albany.

**Division of cancer control:**

\*Burton T. Simpson, M. D., director.

**State institute for the study of malignant diseases,  
 Buffalo:**

\*Burton T. Simpson, director.

**New York State Hospital for Incipient Pulmonary  
 Tuberculosis, Ray Brook:**

\*H. A. Bray, M. D., superintendent.

**New York State Reconstruction Home, West  
 Haverstraw:**

\*John B. Kelly, superintendent.

**Homer Folks Tuberculosis Hospital, Oneonta.**

\*Ralph Horton, M. D., superintendent.

**New York State Tuberculosis Hospital, Mount  
 Morris:**

\*N. Stanley Lincoln, M. D., superintendent.

**Appropriations for fiscal year ending  
 June 30, 1937:**

Personal service.....	\$2,161,970.00
Maintenance and operation.....	1,644,895.00
State aid to county laboratories.....	138,000.00
State aid to county health activities.....	560,845.45
Construction and permanent bet- terments.....	926,198.00

Total..... 5,431,908.45

**Other sources of revenue:**

Fees from certified transcripts of birth, death,  
 and marriage certificates, \$3,113.84 per annum.  
 Marriage license applications, \$32,164.50.  
 Licensing laboratories, \$524.00.  
 Sale of serums, \$4,648.86.  
 Licensing of embalmers and undertakers, \$6,206.00.  
 Registration of embalmers and undertakers,  
 \$26,690.00.  
 Rental of radium, \$52.14.  
 Miscellaneous receipts, \$1,234.86.  
 Care of county cases at reconstruction home,  
 \$115,967.23.  
 Refund of transportation of discharged patients  
 from tuberculosis hospitals, Ray Brook,  
 \$1,601.87.  
 Care of county patients at Homer Folks Tub-  
 erculosis Hospital, Oneonta, \$7,044.47.  
**Publications issued by health department:**  
 Weekly Health News.  
 Monthly Vital Statistics Review.  
 Annual Report.

### NORTH CAROLINA STATE BOARD OF HEALTH

**Board of health:**

S. D. Craig, M. D., president, Winston-Salem.  
 J. N. Johnson, D. D. S., vice president, Golds-  
 boro.

**Board of health—Continued.**

- G. G. Dixon, M. D., Ayden.
- H. Lee Large, M. D., Rocky Mount.
- H. G. Balty, Chapel Hill.
- W. T. Rainey, M. D., Fayetteville.
- Hubert B. Haywood, M. D., Raleigh.
- James P. Stowe, Ph. G., Charlotte.
- John LaBruce Ward, M. D., Asheville.

**Executive health officer:**

- \*Carl V. Reynolds, M. D., secretary-treasurer and State health officer, Raleigh.

**Division of preventive medicine:**

- \*G. M. Cooper, M. D., director, and assistant State health officer, Raleigh.

- (a) Maternity and infancy.
- (b) Health education.
- (c) School health supervision.
- (d) Crippled children.

**Division of oral hygiene:**

- \*Ernest A. Branch, D. D. S., director, Raleigh.

**Division of sanitary engineering:**

- \*Warren H. Booker, C. E., director, Raleigh.

**Division of laboratories:**

- John H. Hamilton, M. D., director, Raleigh.

**Division of epidemiology:**

- \*J. C. Knox, M. D., M. P. H., director, Raleigh.

**Division of county health work:**

- \*R. E. Fox, M. D., M. P. H., director, Raleigh.

**Division of vital statistics:**

- \*R. T. Stimpson, M. D., director, Raleigh.

**Division of industrial hygiene:**

- \*H. F. Eason, M. D., director, Raleigh.

Appropriation for fiscal year ending June 30, 1937, \$323,200.

Other sources of revenue: Special fees, \$52,610.

**NORTH DAKOTA DEPARTMENT OF PUBLIC HEALTH**

**Advisory health council:**

- John Crawford, M. D., New Rockford.
- Agnes Stucke, M. D., Garrison.
- C. D. Dursema, D. D. S., Bismarck.
- P. O. Sathre, attorney general, ex officio, Bismarck.

Arthur E. Thompson, superintendent of public instruction, ex officio, Bismarck.

Maysil M. Williams, M. D., C. P. H., State health officer.

**Executive health officer:**

- \*Maysil M. Williams, M. D., C. P. H., State health officer, Bismarck.

**Bureau of child hygiene and public health nursing:**

- \*August C. Orr, M. D., director.

**Bureau of venereal diseases:**

**Bureau of vital statistics:**

- \*Miss Margaret Lang.

**Bureau of sanitary engineering:**

- \*M. D. Hollis.

**Appropriations for biennial period ending June 30, 1937:**

Salary, State health officer.....	\$4,800
Salary, director of communicable and venereal diseases.....	4,800
Salary, sanitary engineer.....	4,800
Salary, director of vital statistics.....	2,640
Salary, director of child hygiene.....	4,320
Stenographers.....	3,000
Chief clerk and accountant.....	4,000
Clerks.....	1,500
Postage.....	1,000
Office supplies.....	1,000
Furniture and fixtures.....	3,000
Printing.....	500
Miscellaneous.....	4,350
Travel expense.....	500
Card indexing, filing, and binding birth, death, and marriage certificates.....	2,000

**OHIO DEPARTMENT OF HEALTH**

**Public-health council:**

- Walter H. Hartung, M. D., chairman, Columbus.
- F. E. Mahla, M. D., secretary, Columbus.
- G. D. Lumis, M. D., Middletown.
- H. G. Southard, M. D., Marysville.
- W. I. Jones, D. D. S., Columbus.

**Executive health officer:**

- \*Walter H. Hartung, M. D., director of health, Columbus.

**Assistant director of health:**

- \*F. E. Mahla, M. D.

**Division of administration:**

- \*F. E. Mahla, M. D., chief.
- \*C. A. Orrison, chief clerk.

**Bureau of publicity:**

- \*Paul Mason, chief.

**Bureau of local health organization:**

- \*R. W. DeCrow, M. D., chief.

**Division of communicable diseases:**

- \*Finley Van Orsdall, M. D., chief.

**Bureau of tuberculosis:**

- \*W. J. Smith, M. D., chief.

**Bureau of prevention of blindness:**

- \*W. P. Johnson, M. D., chief.

**Division of sanitary engineering:**

- \*F. H. Waring, B. S. in C. E. and S. E., chief.

**Bureau of plumbing inspection:**

- R. T. Barrett, chief.

**Division of vital statistics:**

- \*Irva C. Plummer, chief.

**Division of laboratories:**

- \*Leo F. Ey, chief.

**Division of hygiene:**

- \*E. R. Hayhurst, Ph. D., M. D., chief.

**Bureau of hospitals:**

- \*Clara E. Reeder, R. N., chief.

**Bureau of occupational diseases and industrial hygiene:**

- \*E. R. Hayhurst, Ph. D., M. D., chief.

**Bureau of child hygiene:**

- \*A. L. Van Horn, M. D., chief.

**Bureau of dental hygiene:**

- \*Homer C. Brown, D. D. S., chief.

**Division of public health nursing:**

- \*S. Gertrude Bush, R. N., chief.

**Appropriations for 12 months ending Dec. 31, 1935:**

Personal services.....	\$185,600.00
Maintenance.....	39,910.50
State aid for health districts.....	150,000.00

Total..... 375,410.50

**Publications issued by health department:**

Ohio Health News (monthly).

**OKLAHOMA DEPARTMENT OF PUBLIC HEALTH**

**Executive health officer:**

- \*Charles M. Pearce, M. D., State health commissioner, Oklahoma City.

**Assistant State health commissioner:**

- \*J. P. Folan, Oklahoma City.

**Bureau of vital statistics:**

- \*Alice L. Talbot, registrar.

**Bureau of laboratories:**

- \*Floyd Whipple, bacteriologist.
- \*Katherine Harris, assistant bacteriologist.
- \*Taylor Rogers, chemist.

**Bureau of sanitary engineering:**

- \*H. J. Darcey, B. S. in engineering, director.

**Appropriations for fiscal years ending June 30, 1936 and 1937:**

<b>Administration:</b>	
Commissioner.....	\$4,800
Assistant commissioner.....	2,400
Chief clerk.....	1,800
Stenographer.....	1,800
Bookkeeper.....	2,000
Stenographer.....	1,500
Do.....	1,200
<b>Bureau of public health education:</b>	
Stenographer.....	1,500
<b>Diagnostic laboratory:</b>	
State chemist.....	3,000
Assistant chemist.....	2,400
Bacteriologist.....	3,000
Assistant bacteriologist.....	2,400
Record clerk.....	1,800
<b>Sanitary inspection:</b>	
Sanitary engineer.....	3,000
Inspectors (8 at \$1,800 each).....	14,400
<b>Bureau of vital statistics:</b>	
Registrar.....	2,400
Assistant registrar.....	1,800

## Appropriations—Continued.

Bureau of vital statistics—Continued.	
Statistical clerks (3 at \$1,500 each).....	\$4,500
Payment of local registrars.....	30,000
Contractual services:	
Traveling.....	10,000
Communication.....	3,500
Gas and lights at laboratory.....	1,500
Printing, other than office supplies.....	2,500
Supplies:	
Medical supplies.....	25,000
Office supplies.....	750
Equipment:	
Office equipment.....	500
Bureau of epidemiology:	
Rural sanitation, clinics.....	30,000
Malarial control.....	7,500
Manufacture of typhoid and diphtheria toxoid.....	4,000
Total.....	170,950

## OREGON STATE BOARD OF HEALTH

## Board of health:

J. H. Rosenberg, M. D., president, Prineville.  
 Arthur W. Chance, D. D. S., M. D., vice president, Portland.  
 Robert L. Benson, M. D., Portland.  
 H. H. Foskett, M. D., Portland.  
 N. E. Irvine, M. D., Lebanon.  
 F. Floyd South, M. D., Portland.  
 Archie Van Cleve, M. D., Portland.  
 Frederick D. Stricker, M. D., secretary, Portland.

## Executive health officer:

\*Frederick D. Stricker, M. D., secretary and State health officer, Portland.

## Registrar of vital statistics:

\*Frederick D. Stricker, M. D., Portland.  
 Division of public health nursing and child hygiene:  
 Olive M. Whitlock, R. N., Portland.

## Director of laboratory:

\*William Levin, D. P. H., Portland.

## Division of sanitary engineering:

Carl E. Green, sanitary engineer.

Appropriations for fiscal year ending December 31, 1936, \$36,368.

## Publications issued by health department:

Annual report.  
 Biennial report.  
 Pamphlets and posters.  
 Weekly letter.

## PANAMA CANAL ZONE HEALTH DEPARTMENT

## Executive health officer:

\*Col. H. C. Pillsbury, Medical Corps, United States Army, chief health officer, Balboa Heights.  
 \*D. P. Curry, M. D., assistant chief health officer, Balboa Heights.  
 \*L. B. Bates, M. D., chief, board of health laboratory, Ancon.  
 \*O. E. Denney, Surgeon, U. S. P. H. S., chief quarantine officer, Balboa Heights.  
 Appropriation for 1935-36, \$1,546,000.

## PENNSYLVANIA DEPARTMENT OF HEALTH

## Advisory health board:

Edith MacBride-Dexter, M. D., chairman.  
 Moses Behrend, M. D., Philadelphia.  
 R. J. Behan, M. D., Pittsburgh.  
 E. S. Briggs, M. D., Warren.  
 Walter S. Brenholtz, M. D., Williamsport.  
 John A. Meehan, D. D. S., New Castle.  
 C. B. Auel, C. E., East Pittsburgh.

## Sanitary water board:

Edith MacBride-Dexter, M. D., chairman.  
 James F. Bogardus, secretary of forests and waters.  
 O. M. Deibler, commissioner of fisheries.  
 Philip G. Platt, Wallingford.  
 Marion McKay, Pittsburgh.  
 Frank D. McCue, Oil City.  
 W. L. Stevenson, chief engineer and secretary.

## Executive Bureau:

\*Edith MacBride-Dexter, M. D., secretary of health, Harrisburg.  
 \*Paul A. Rothfuss, M. D., deputy secretary of health, Harrisburg.  
 \*Clinton T. Williams, comptroller, Harrisburg.  
 Division of accounts:  
 \*E. J. MacNamara, Harrisburg.  
 Division of Supplies:  
 \*S. J. Purvis, Harrisburg.  
 Division of Laboratories:  
 \*Louis Tuft, M. D., Philadelphia.  
 Division of public health education:  
 \*Howard L. Katzander, Harrisburg.  
 Division of dental hygiene:  
 \*Milton Waas, D. D. S., Harrisburg.  
 Institutions:  
 Mont Alto Sanatorium:  
 \*C. C. Custer, M. D., medical director, South Mountain.  
 Cresson Sanatorium:  
 \*Louis A. Wesner, M. D., medical director, Cresson.  
 Hamburg Sanatorium:  
 \*H. A. Gorman, M. D., medical director, Hamburg.  
 State Hospital for Crippled Children:  
 \*John S. Donaldson, M. D., chief surgeon, Elizabethtown.  
 \*Mrs. Hazel Smith, superintendent, Elizabethtown.  
 Bureau of health law enforcement:  
 \*Paul A. Rothfuss, M. D.  
 Division of school inspection:  
 \*Ted Rosenberg, Harrisburg.  
 Pre-school division:  
 \*Richard R. Dalrymple, M. D., Harrisburg.  
 Division of drug control:  
 \*Michael V. McFadden, Harrisburg.  
 Division of restaurant hygiene:  
 \*Robert W. Shelton, Harrisburg.  
 Division of inspection and prevention:  
 \*Horace Krone, Harrisburg.  
 Bureau of health conservation:  
 \*J. Moore Campbell, M. D., Harrisburg.  
 Division of genito-urinary diseases:  
 \*Edgar S. Everhart, M. D., Harrisburg.  
 Division of epidemiology:  
 \*Henry Bley, M. D., Tamaqua.  
 Division of environmental hygiene:  
 \*Edward Garner, Harrisburg.  
 \*Robert Glenn, Harrisburg.  
 Bureau of nursing:  
 \*Alice M. L'Halloran, R. N., Harrisburg.  
 Bureau of milk sanitation:  
 \*Wilbur K. Moffett, Harrisburg.  
 Bureau of sanitary engineering:  
 \*W. L. Stevenson, Harrisburg.  
 Bureau of vital statistics:  
 \*Frank P. Strome, M. D., Harrisburg.  
 Appropriation for biennial period ending May 31, 1937:  
 Salary of secretary..... \$20,000  
 General health purposes and maintenance of sanatoria and hospital for crippled children..... 4,880,000  
 Total..... 4,900,000

## PUBLIC HEALTH AND WELFARE SERVICE OF THE PHILIPPINES

(Under the Department of Public Instruction)

## Commissioner of health and welfare:

\*Jose Fabella, M. D., Manila.

## PUERTO RICO DEPARTMENT OF HEALTH

## Insular board of health:

R. López Sicardó, M. D., chairman, San Juan.  
 W. A. Glines, M. D., San Juan.  
 E. Koppisch, M. D., San Juan.  
 Blas C. Herrero, M. D.  
 H. Cook, expert chemist.  
 Etienne Totti, civil and sanitary engineer, San Juan.  
 A. Rivera, veterinarian.  
 Manuel del Valle, D. D. S.

**Insular board of health—Continued.**

- A. Ortiz Toro, attorney, San Juan.
- H. A. Bladuell, M. D., secretary.
- Executive health officer:**
  - \*E. Garrido Morales, M. D., Dr. P. H., commissioner of health, San Juan.
  - \*Antonio Arbona, M. D., assistant commissioner of health, section of public health, San Juan.
  - \*Pedro Malaret, M. D., assistant commissioner of health, section of charities, San Juan.
  - \*George C. Payne, M. D., advisor, public health administration.

**Division of property and accounts:**

- \*Rafael Méndez, chief, San Juan.
- Bureau of general sanitation:**
  - \*W. F. Lippitt, M. D., chief, San Juan.
- Bureau of sanitary engineering:**
  - \*Octavio Marcano, C. E., S. E., San Juan.

**Biological laboratory:**

- \*Oscar Costa Mandry, M. D., director, San Juan.
- Chemical laboratory:**
  - \*R. del Valle Sárraga, Ph. C., director, San Juan.
- Bureau of epidemiology and vital statistics:**
  - \*Abel de Juan, M. D., chief, San Juan.
  - S. Riera López, M. D., C. P. H., epidemiologist, San Juan.
  - J. Basora Defilló, M. D., C. P. H., epidemiologist, San Juan.
  - \*J. Rodríguez Pastor, M. D., tuberculosis specialist, San Juan.

**Bureau of malaria:**

- \*Walter C. Earle, M. D., advisor malaria control.
- Bureau of infant hygiene:**
  - \*Marta Robert de Romeu, M. D., chief, San Juan.

**Bureau of public health units:**

- José Chaves, M. D., chief, San Juan.
- Division of social service:**
  - \*Beatriz Lessalle, superintendent, San Juan.

**Appropriations for the fiscal year 1936-37:**

Office of the commissioner.....	\$128,817.92
Bureau of general sanitary inspection.....	53,845.00
Bureau of sanitary engineering.....	25,395.00
Biological laboratories.....	46,357.50
Chemical laboratory.....	19,810.00
Bureau of epidemiology and vital statistics.....	156,227.75
Bureau of malaria.....	45,783.00
Bureau of infant hygiene.....	12,896.75
Bureau of public health units.....	284,564.75
Section of charities.....	747,405.96
<b>Total.....</b>	<b>1,620,593.62</b>

**RHODE ISLAND DEPARTMENT OF PUBLIC HEALTH**

**Executive health officer:**

- \*Edward A. McLaughlin, M. D., director of public health and State registrar, State Office Building, Providence.
- Division of laboratories:**
  - \*Edgar J. Staff, chief.
- Division of sanitary engineering and chemistry:**
  - \*Charles L. Pool, chief.
- Division of child hygiene:**
  - \*Marion A. Gleason, M. D., chief.
- Division of communicable diseases and rural hygiene:**
  - \*Morris L. Grover, M. D., M. P. H., chief.
- Division of vital statistics:**
  - \*Edward A. McLaughlin, M. D., director.
- Division of social hygiene:**
  - \*Daniel L. Morrissey, M. D., chief.
- Division of food and drugs and sanitary inspection:**
  - \*Henry J. McLaughlin, special agent.
- Division of examiners:**
  - \*Robert D. Wholey, chief.
- Division of narcotic drugs and pharmacies:**
  - \*A. Norman LaSalle, chief.
- Division of athletics:**
  - \*Charles F. Reynolds, chief.
- Division of purification of waters:**
  - \*Walter J. Shea, chief.
- Appropriations for fiscal year ending June 30, 1937:**
  - Administrative (including preventable diseases and child hygiene).....

**Appropriations—Continued.**

<b>Laboratory division:</b>	
<b>Pathological.....</b>	<b>\$21,925.00</b>
Chemical.....	15,915.00
Vital statistics.....	7,900.00
Sanitary inspection.....	26,320.00
Narcotic drugs and pharmacies.....	8,750.00
Purification of waters.....	10,090.00
Food and drugs.....	5,595.00
Athletics.....	7,900.00
Examiners.....	8,950.00

**Other sources of revenue:**

- Registration fees.—Chirophy, \$3; chiropractic, \$3; optometry, \$3; dentistry, \$1; funeral directors, \$10; embalmers, \$5; hairdressers, \$2; dental hygienists, \$1; barbers, \$2; nurses, \$0.50-midwives, \$0.50.
- Licenses for swimming pools: licenses issued for quarters:
  - For the entire year, \$20; for any quarter thereof, \$5.
- Licenses for camps and bathing beaches, \$10 per year.
- Fees for certified copies of births, marriages, and deaths, each, \$0.50.

**Publications:**

- Annual health report.
- Annual registration report.
- Weekly and monthly morbidity report.
- Monthly mortality report.
- Monthly health bulletin.

**SOUTH CAROLINA STATE BOARD OF HEALTH**

**Executive committee:**

- F. M. Routh, M. D., chairman, Columbia.
- K. M. Lynch, M. D., Charleston.
- W. R. Mead, M. D., Florence.
- E. A. Hines, M. D., Seneca.
- W. R. Wallace, M. D., Chester.
- L. D. Boone, M. D., Aiken.
- George W. Dick, D. D. S., Sumter.
- D. Lesesne Smith, M. D., Spartanburg.
- J. Lee Carpenter, Ph. G., Greenville.
- John M. Daniel, attorney general, Columbia.
- A. J. Beattie, comptroller general, Columbia.

**Executive health officer:**

- \*James A. Hayne, M. D., State health officer, Columbia.
- Bureau of rural sanitation and county health work:**
  - \*Ben. F. Wyman, M. D., director, Columbia.
- Hygienic laboratory:**
  - \*H. M. Smith, M. D., director, Columbia.
- Bureau of vital statistics:**
  - \*Martin Woodward, M. D., director, Columbia.
- Appropriations, July 1, 1936, to June 30, 1937:**
  - Superintendence and control of health....
  - Superintendence and accounts.....
  - Bureau of rural sanitation and county health work.....
  - Bureau of vital statistics.....
  - Hygienic laboratory.....
  - Distribution of biologics.....
  - Total.....**

**SOUTH DAKOTA STATE BOARD OF HEALTH**

**Board of health:**

- H. J. Bartron, M. D., president, Watertown.
- N. T. Owen, M. D., vice president, Rapid City.
- E. J. Quinn, M. D., Burke.
- Carl A. Felge, M. D., Canova.
- Park B. Jenkins, M. D., superintendent, Pierre.
- Executive health officer:**
  - \*Park B. Jenkins, M. D., superintendent, Pierre.
  - \*B. A. Dyar, M. D., assistant health officer, Pierre.
  - \*G. J. Van Heuvelen, epidemiologist, Pierre.
- Division of vital statistics:**
  - \*Park B. Jenkins, M. D., Pierre.
- Division of child hygiene:**
  - \*Viola Russell, M. D., Pierre.
- Division of sanitary engineering:**
  - \*W. W. Towne, C. E., Pierre.
  - \*John Wiley, C. E., assistant sanitary engineer, Pierre.
  - \*Richard Poston, assistant sanitary engineer, Pierre.

## Division of medical licensure:

\*Park B. Jenkins, M. D., Pierre.

Division of records and accounts:

\*Katherine Niebuhr, Pierre.

Laboratories (at Vermillion):

J. C. Ohlmacher, M. D., Vermillion.

## Appropriations:

	1935-36	1936-37
Salaries and wages.....	\$10,000	\$10,000
Biological products.....	2,000	2,000
Postage, communication, and travel.....	3,000	3,000
Crippled children.....	2,500	2,500
Dues.....	50	50
Infancy and maternity work.....	5,000	5,000
Office supplies, printing, and binding.....	2,500	2,500
Fund to be used in matching Federal funds.....	10,000	10,000
Total.....	35,050	35,050

## TENNESSEE DEPARTMENT OF PUBLIC HEALTH

## Central administration:

\*W. C. Williams, M. D., C. P. H., commissioner, Nashville.

## Local health service:

\*R. H. Hutcheson, M. D., C. P. H., director, Nashville.

## Maternal and child hygiene:

\*John M. Saunders, M. D., C. P. H., acting director, Nashville.

## Public health nursing:

\*Miss Frances Hagar, R. N., associate director, Nashville.

## Division of vital statistics:

R. H. White, Ph. D., director, Nashville.

## Division of preventable diseases:

\*Crit Pharris, M. D., C. P. H., director, Nashville.

## Division of laboratories:

\*W. H. Gaub, C. P. H., director, Nashville.

## Division of sanitary engineering:

\*Roy J. Morton, C. E., director, Nashville.

State appropriation for biennium July 1, 1935, to June 30, 1937, \$509,568-\$254,779 per annum.

## Other sources of revenue:

Rockefeller Foundation International Health Division, \$23,375 for year ending June 30, 1937.  
Commonwealth Fund, \$25,824 for year ending June 30, 1937.

## TEXAS STATE DEPARTMENT OF HEALTH

## State board of health:

E. W. Wright, M. D., chairman, Bowie.

W. P. Harrison, M. D., vice chairman, Teague.

Geo. W. Cox, M. D., Del Rio.

Henry F. Hein, Phar. D., San Antonio.

J. M. Howe, Houston.

Hubert Jackson, D. D. S., San Antonio.

J. S. McCelvey, M. D., Temple.

C. M. Rosser, M. D., Dallas.

S. A. Woodward, M. D., Fort Worth.

## Executive health officer:

\*John W. Brown, M. D., C. P. H., State health officer, Austin.

## Local health service and child hygiene:

\*H. N. Barnett, M. D., director.

## Vital statistics:

\*W. A. Davis, M. D., registrar.

## State laboratory:

\*S. W. Bohls, M. D., director.

## Epidemiology:

\*Chas. D. Reece, M. D., epidemiologist.

## Maternal and child health:

Edythe P. Hershby, M. D., director.

## Child hygiene:

J. W. E. H. Beck, field director.

## County health unit:

\*Don C. Peterson, M. D., C. P. H., field director.

## Industrial hygiene:

Carl A. Nau, M. D., director.

## Tuberculosis control:

Arthur Burns, M. D., director.

## Venereal disease control and mental hygiene:

O. F. Gerodetti, M. D.

## Malaria investigation:

C. P. Coogle, M. D., malarialogist.

## Dental health:

Edward Taylor, D. D. S., director.

## Bureau of sanitary engineering:

\*V. M. Ehlers, C. E., director.

## Bureau of food and drugs:

\*E. C. Koerth, Ph. G., director.

## Public health education:

Harry Bengé Crozier, director.

## Chief clerk and accountant:

G. N. Holton.

## Administrative assistant:

E. D. Hopkins.

Appropriations for fiscal years 1936 and 1937,

\$206,672.50 per annum.

## UTAH STATE BOARD OF HEALTH

## Board of health:

Joseph R. Morrell, M. D., president, Ogden.

J. L. Jones, M. D., secretary, Salt Lake City.

T. B. Beatty, M. D., Salt Lake City.

E. A. Tripp, D. D. S., Salt Lake City.

T. J. Howells, M. D., Salt Lake City.

R. A. Hart, C. E., Salt Lake City.

Barnet E. Bonar, M. D., Salt Lake City.

## Executive health officer:

\*J. L. Jones, M. D., Dr. P. H., State health commissioner, Salt Lake City.

## Division of vital statistics:

\*J. L. Jones, M. D., Dr. P. H., State registrar, Salt Lake City.

## Division of sanitary engineering:

\*Lynn M. Thatcher, director, Salt Lake City.

## Bacteriological laboratory:

\*E. H. Bramhall, director, Salt Lake City.

## Division of epidemiology and local health administration:

\*Samuel G. Paul, M. D., director, Salt Lake City.

## Division of maternal and child health:

\*Mildred Nelson, M. D., director, Salt Lake City.

## Division of public health nursing:

\*Lilly Hagerman, R. N., State advisory nurse, Salt Lake City.

## Division of crippled children's service:

\*Marcella McInnery, R. N., director, Salt Lake City.

## County and district health units:

\*Sumner Gleason, M. D., director, Davis county, Kaysville.

\*Welby W. Bigelow, M. D., health officer, district no. 1, Salt Lake City.

\*Alton A. Jenkins, M. D., health officer, district no. 2, Salt Lake City.

\*Edw. L. Van Aelstyn, M. D., health officer, district no. 3, Salt Lake City.

Appropriations for fiscal year ending June 30, 1937,

\$98,180.

## VERMONT DEPARTMENT OF PUBLIC HEALTH

## State board of health:

William G. Ricker, M. D., chairman, St. Johnsbury.

Charles G. Abell, M. D., Enosburg Falls.

Claude M. Campbell, M. D., Manchester Center.

## Executive health officer:

\*Charles F. Dalton, M. D., secretary, State board of health, Burlington.

## Laboratory of hygiene:

\*Charles F. Whitney, M. D., Burlington.

## Sanitary engineering:

Earl L. Waterman, C. E., director, Burlington.

## Sanitary inspector:

\*Fred S. Kent, M. D., Burlington.

## Division of communicable diseases:

\*Fred S. Kent, M. D., Burlington.

## Division of tuberculosis:

\*Harold W. Slocum, Burlington.

## Division of poliomyelitis after-care:

\*Miss Lillian E. Kron, R. N., Burlington.

## Division of public health nursing:

\*Miss Nellie M. Jones, E. N.

Appropriations for fiscal year ending June 30, 1936, \$56,000; 1937, \$56,000.  
 Other sources of revenue: Private donations for study and treatment of infantile paralysis.  
 Publications issued by the department of public health:  
 Biennial report.  
 Modern Health Crusader.

**VIRGIN ISLANDS DEPARTMENT OF HEALTH**

Executive health officer:  
 \*Knuud Knuud-Hansen, M. D., commissioner of public health, St. Thomas.

**VIRGINIA DEPARTMENT OF HEALTH**

Board of health:  
 W. T. Graham, M. D., president, Richmond.  
 Mrs. Franklin H. Kenworthy, Purcellville.  
 Frank Darling, Hampton.  
 W. R. Williams, M. D., Richlands.  
 George B. Lawson, M. D., Roanoke.  
 Guy R. Harrison, D. D. S., Richmond.  
 L. T. Royster, M. D., University.  
 Executive health officer:  
 \*I. C. Riggan, M. D., State health commissioner, Richmond.

Assistant health officer:  
 \*Roy K. Flannagan, M. D., Richmond.  
 Director of rural health work and tuberculosis out-patient service:  
 \*E. L. McQuade, M. D., D. P. H., Richmond.

Epidemiologist:  
 \*G. F. McGinnes, M. D., Richmond.  
 Director of child health:  
 \*B. B. Bagby, M. D., Richmond.  
 Registrar of vital statistics:  
 \*W. A. Plecker, M. D., Richmond.  
 Director of public-health nursing:  
 \*Mary I. Mastin, R. N., Richmond.  
 Director of mouth hygiene:  
 \*N. T. Ballou, D. D. S., Richmond.  
 Acting director of laboratories:  
 \*Adah Corpening, Richmond.  
 Chief sanitary engineer:  
 \*Richard Messer, C. E., Richmond.

Appropriations for the year July 1, 1936, to June 30, 1937:

Administration.....	\$22, 675
Sanitary engineering.....	19, 220
Shellfish sanitation.....	15, 000
Publicity.....	8, 950
Town and camp sanitation.....	4, 075
Social hygiene.....	1, 545
Prevention of tuberculosis.....	45, 000
Control of epidemics.....	16, 875
Laboratories.....	19, 200
Promotion of child health and public health nursing.....	44, 100
Rural health.....	113, 475
Vital statistics (including marriage and divorce statistics and prevention of blindness).....	38, 890
Tuberculosis sanatoria.....	\$22, 920
State aid to local tuberculosis sanatoria.....	34, 000
Orthopedic treatment.....	36, 260
Total.....	742, 175

Publications issued by health department:  
 Monthly bulletin.  
 Annual report.

**WASHINGTON STATE DEPARTMENT OF HEALTH**

Board of health:  
 E. R. Coffey, M. D., director of health, chairman, Seattle.  
 Ralph Hendricks, M. D., Spokane.  
 Alexander Peacock, M. D., Seattle.  
 H. E. Wight, D. D. S., Yakima.  
 E. N. Hutchinson, D. V. M., Olympia.  
 Francis D. Rhoads, secretary, Seattle.  
 Department of health:  
 Office of the director:  
 \*E. R. Coffey, M. D., director, Seattle.  
 \*Donald G. Evans, M. D., assistant director, Seattle.

Department of health—Continued  
 Office of the director—Continued  
 \*Anna R. Moore, R. N., advisory public health nurse, Seattle.  
 \*A. S. Baker, M. D., health education advisor, Seattle.  
 Division of laboratories and epidemiology:  
 \*A. U. Simpson, M. D., epidemiologist, Seattle.  
 Division of public health engineering:  
 \*Roy M. Harris, C. E., public health engineer, Seattle.  
 Division of maternal and child hygiene:  
 \*John D. Fuller, M. D., Seattle.  
 Division of vital statistics:  
 \*Francis D. Rhoads, State registrar, Seattle.  
 Appropriation for 2 years ending March 31, 1937:  
 From general fund:  
 Salaries and wages..... \$75, 000  
 Operations..... 40, 000  
 From fisheries fund:  
 For industrial pollution studies..... 8, 500  
 For oyster sanitation studies..... 5, 500  
 From emergency fund:  
 Mattress inspection..... 9, 600  
 District office:  
 Grand Coulee dam..... 13, 000  
 Total..... 151, 600

**WEST VIRGINIA DEPARTMENT OF HEALTH**

Public health council:  
 A. H. Hoge, M. D., president, Bluefield.  
 S. W. Price, M. D., Scarbro.  
 B. H. Swint, M. D., Charleston.  
 W. C. D. McCuskey, M. D., Wheeling.  
 Walter E. Vest, M. D., Huntington.  
 M. T. Morrison, M. D., Sutton.  
 W. E. Minghini, D. D. S., Martinsburg.  
 Arthur E. McClue, M. D., secretary and commissioner of health, Charleston.  
 Executive health officer:  
 \*Arthur E. McClue, M. D., commissioner of health, Charleston.  
 Division of sanitary engineering:  
 \*Ellis S. Tisdale, chief engineer, Charleston.  
 \*John B. Harrington, B. E., assistant engineer, Charleston.  
 \*A. J. Kranaskas, C. E., assistant engineer, Charleston.  
 Bureau of industrial hygiene:  
 \*Otto J. Swisher, M. D., director, Charleston.  
 \*Richard T. Page, engineer, Charleston.  
 \*S. C. Rothman, engineer, Charleston.  
 Division of vital statistics:  
 \*Franklin H. Reeder, M. D., director, Charleston.  
 Division of child hygiene:  
 \*Thomas H. Blake, M. D., director, Charleston.  
 \*J. W. Fish, M. D., assistant director, Charleston.  
 \*Laurene C. Fisher, R. N., State advisory nurse, Charleston.  
 Division of preventable diseases:  
 \*Arthur E. McClue, M. D., acting director, Charleston.  
 Division of venereal diseases:  
 \*Mrs. Virginia Dye Virgin, associate director, Charleston.  
 Division of rural sanitation:  
 \*John F. Cadden, M. D., director, Charleston.  
 Hygienic laboratory:  
 \*Miss Katherine Cox, director, Charleston.  
 \*J. Roy Monroe, technician, Charleston.  
 \*Margaret K. Riffe, technician, Charleston.  
 \*Mark C. Harp, technician, Charleston.  
 \*D. D. Johnson, technician, Charleston.  
 \*M. T. Fowler, technician, Charleston.  
 Bureau of public health education:  
 \*Miss Dorothea Campbell, director, Charleston.  
 \*Miss Mary Louise Jester, assistant director, Charleston.  
 Appropriation for fiscal year ending June 30, 1937:  
 For general use..... \$120, 275  
 Transferred from barbers and beauticians funds..... 10, 000  
 From compensation department..... 8, 200

## WISCONSIN STATE BOARD OF HEALTH

## Board of health:

H. H. Ainsworth, M. D., president, Birchwood.  
Joseph Dean, M. D., vice president, Madison.  
Mina B. Glasier, M. D., Bloomington.  
Stephen Cahana, M. D., Madison.  
G. Windesheim, M. D., Kenosha.  
J. J. Seelman, M. D., Milwaukee.  
C. A. Harper, M. D., State health officer, Madison.

## Executive health officer:

\*C. A. Harper, M. D., State health officer, Madison  
Assistant State health officer:

## Supervisor of Public Health Service:

\*C. N. Neupert, M. D., Madison.

## Deputy State health officers:

\*G. W. Henika, M. D., Madison.  
\*Geo. E. Hoyt, M. D., Elkhorn.  
\*V. A. Guder, M. D., Fond du Lac.  
\*R. L. Frisbie, M. D., Rhinelander.  
\*F. P. Daly, M. D., Chippewa Falls.

## District health officers:

\*E. H. Jorris, M. D., Mauston.  
\*Allan Filek, M. D., Green Bay.  
\*John W. Lowe, M. D., Ashland.  
\*Leo M. Morse, M. D., Neillsville.

## Bureau of vital statistics:

\*C. A. Harper, M. D., State registrar, Madison.  
\*L. W. Hutchcroft, chief statistician, Madison.  
\*F. E. Kester, juni r statistician, Madison.

## Bureau of communicable diseases:

\*H. M. Gullford, M. D., director, Madison.  
\*A. C. Edwards, M. D., serior epidemiologist, Madison.

## Bureau of sanitary engineering:

\*L. F. Warrick, State sanitary engineer, Madison.  
\*O. J. Muegge, assistant sanitary engineer, Madison.  
\*E. J. Beatty, assistant sanitary engineer, Madison.  
\*J. M. Holderby, assistant sanitary engineer, Madison.  
\*E. J. Tully, assistant chemical engineer, Madison.  
\*Roy F. Weston, assistant sanitary engineer, Madison.  
\*Alfred Steffen, assistant sanitary engineer, Elkhorn.  
\*Chester Obma, assistant sanitary engineer, Fond du Lac.  
\*Reginald Price, assistant sanitary engineer, Mauston.  
\*Gerry Halverson, assistant sanitary engineer, Neillsville.  
\*Frank J. McKee, assistant sanitary engineer, Green Bay.  
\*Alfred W. West, assistant sanitary engineer, Chippewa Falls.  
\*Charles L. Senn, assistant sanitary engineer, Rhinelander.  
\*Harold Kingsbury, assistant sanitary engineer, Ashland.

## Bureau of education:

\*John Culnan, editor, Madison.  
\*Emma L. Glenz, illustrator, Madison.

## Bureau of child welfare:

\*Amy L. Hunter, M. D., chief, Madison.  
\*Frances A. Cline, M. D., child health physician, Madison.  
\*Elizabeth Taylor, M. D., child health physician, Madison.  
\*Ruth B. Bennett, M. D., child health physician, Madison.  
\*Anne B. Cremer, M. D., child health physician, Madison.  
\*Charlotte, Fisk, M. D., child health physician, Madison.  
\*Charlotte Morrison, M. D., child health physician, Madison.  
\*Grace M. Connors, R. N., public health nurse, Wautoma.  
\*Sadie Engesether, R. N., public health nurse, Frederic.  
\*Ruby McKenzie, R. N., public health nurse, Madison.  
\*Ruth B. Naset, R. N., instructor in maternity and child hygiene, Madison.

## Bureau of child welfare—Continued

\*Katheryn Lynch, R. N., assistant instructor in maternity and child hygiene, Madison.  
\*Christine Nielsen, R. N., assistant instructor in maternity and child hygiene, Madison.  
\*Maud Tollefson, R. N., advisory public health nurse, Madison.

## Bureau of public health nursing:

\*Cornelia van Kooy, R. N., supervisor, Madison.  
\*Martha Jenny, R. N., advisory public health nurse, Madison.  
\*Sophia Paulus, R. N., public health nurse, Madison.  
\*Myrtle Sadenwasser, R. N., public health nurse, Elkhorn.  
\*Alberta Anderson, R. N., public health nurse, Fond du Lac.  
\*Mildred Knoebel, R. N., public health nurse, Mauston.  
\*Lila J. Johnson, R. N., public health nurse, Neillsville.  
\*Estelle Jung, R. N., public health nurse, Green Bay.  
\*Anita Wiederaenders, R. N., public health nurse, Chippewa Falls.  
\*Jessie MacDonald, R. N., public health nurse, Rhinelander.  
\*Margaret Brunner, R. N., public health nurse, Ashland.  
\*Teresa Gardner, R. N., public health nurse (Indian Service), Reserve.  
\*Nellie McLaughlin, R. N., public health nurse (Indian Service), Ashland.  
\*Irene Thompson, R. N., public health nurse (Indian Service), Wisconsin Rapids.

## Bureau of nursing education:

\*Barbara A. Thompson, R. N., director, Madison.

## Bureau of plumbing and domestic sanitary engineering:

\*Frank R. King, State domestic sanitary engineer, Madison.

## Bureau of social hygiene:

\*H. M. Gullford, M. D., director, Madison.  
\*Almee Zillmer, lecturer, Madison.  
\*D. M. Warner, lecturer, Madison.  
\*Susan Mitchell, R. N., venereal clinic nurse, Madison.  
\*Leona Ludwig, venereal clinic nurse, Janesville.  
\*Irene Ryss, R. N., venereal clinic nurse, Oshkosh.  
\*Margaret Gebhardt, R. N., venereal clinic nurse, La Crosse.  
\*Pauline Carrington, R. N., venereal clinic nurse, Superior.  
\*Doris Ruf, R. N., venereal clinic nurse, Racine.  
\*Josephine Kotes, R. N., venereal clinic nurse, Milwaukee.  
Paul C. Gatterdam, M. D., venereal clinic physician, La Crosse.  
Charles W. Giesen, M. D., venereal clinic physician, Superior.  
C. H. Sutherland, M. D., venereal clinic physician, Janesville.  
F. H. Frey, M. D., venereal clinic physician, Wausau.  
C. G. Richards, M. D., venereal clinic physician, Kenosha.  
Joseph Dean, M. D., venereal clinic physician, Madison.  
Earl F. Cummings, M. D., venereal clinic physician, Oshkosh.

## Laboratory service:

\*W. D. Stovall, M. D., director, State laboratories, Madison.  
\*M. S. Nichols, chemist, State laboratory, Madison.  
\*Anna Brandsmark, director, branch laboratory, Rhinelander.  
\*Mildred Englebert, director, cooperative laboratory, Beloit.  
\*Marjorie Bates, director, cooperative laboratory, Oshkosh.  
\*Henry Miller, director, cooperative laboratory, Kenosha.  
\*Josephine Foote, director, cooperative laboratory, Wausau.

Laboratory service—Continued.

- \*Martha Thompson, director, cooperative laboratory, Superior.
- \*Clarissa McFetridge, director, cooperative laboratory, Green Bay.
- \*Elizabeth Mathewson, director, cooperative laboratory, Sheboygan.

Appropriations for each of fiscal years ending June 30, 1936, and 1937:

General administration.....	\$135,000
Licensing:	
95 percent of the receipts; estimated at:	
Embalmers.....	8,075
Hotels and restaurants.....	34,105
Barbers.....	22,515
Plumbers.....	20,235
Beauty parlors.....	25,600
Nurses.....	15,770
90 percent of the receipts; estimated at:	
Wall drillers.....	3,825
To each county employing a county public health nurse, \$1,000 per annum.	
Bureau of child welfare and public health nursing.....	43,350
Enforcement of medical practices act.....	2,500
Specific appropriations.....	180,850
Estimated appropriations.....	130,125

Publications issued by health department:

- Quarterly bulletin.
- Biennial report.
- Other bulletins on communicable diseases.

WYOMING DEPARTMENT OF PUBLIC HEALTH

Board of health:

- Earl Whedon, M. D., president, Sheridan.
- Evald Olson, M. D., vice president, Meeteetse.
- E. W. DeKay, M. D., Laramie.
- N. E. Morad, M. D., Casper.
- G. M. Anderson, M. D., secretary and executive officer, Cheyenne.

Executive health officer:

- \*G. M. Anderson, M. D., State health officer Cheyenne.

Appropriations for biennial period ending

March 31, 1937:

State board of health.....	\$9,000
Salary of secretary.....	8,000
Maternal and infant welfare.....	5,000
Bureau of vital statistics.....	3,580
Total.....	25,580

# PREVALENCE OF DISEASE

*No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring*

## UNITED STATES

### CURRENT WEEKLY STATE REPORTS

These reports are preliminary, and the figures are subject to change when later returns are received by the State health officers

Reports for Weeks Ended Oct. 10, 1936, and Oct. 12, 1935

Cases of certain communicable diseases reported by telegraph by State health officers for weeks ended Oct. 10, 1936, and Oct. 12, 1935

Division and State	Diphtheria		Influenza		Measles		Meningococcus meningitis	
	Week ended Oct. 10, 1936	Week ended Oct. 12, 1935	Week ended Oct. 10, 1936	Week ended Oct. 12, 1935	Week ended Oct. 10, 1936	Week ended Oct. 12, 1935	Week ended Oct. 10, 1936	Week ended Oct. 12, 1935
<b>New England States:</b>								
Maine.....	1	2	1	1	8	21	0	0
New Hampshire.....	1	2	2		2		0	0
Vermont.....		1				6	0	0
Massachusetts.....	8	2			53	24	0	1
Rhode Island.....	1				4	9	0	0
Connecticut.....	2	7		2	6	37	0	1
<b>Middle Atlantic States:</b>								
New York <sup>1</sup> .....	23	26	16	16	54	66	8	7
New Jersey.....	5	15	8	4	19	10	0	2
Pennsylvania.....	47	36			25	48	0	4
<b>East North Central States:</b>								
Ohio.....	20	30	2	40	10	35	2	2
Indiana.....	22	119	30	17	1	3	2	2
Illinois.....	35	67	7	13	8	9	2	6
Michigan.....	14	18		5	21	17	1	3
Wisconsin.....	5	3	20	34	18	33	1	1
<b>West North Central States:</b>								
Minnesota.....	1	12			8	13	0	6
Iowa.....	7	7		4	4	1	4	1
Missouri.....	10	57	111	34	8	14	0	1
North Dakota.....	2	2			2		0	0
South Dakota.....		1				1	0	1
Nebraska.....	1	7			1	1	0	0
Kansas.....	8	8				3	1	0
<b>South Atlantic States:</b>								
Delaware.....	1				4	9	0	1
Maryland <sup>2</sup> .....	8	9	5	2	4	2	2	6
District of Columbia.....	10	20			5	1	1	3
Virginia.....	41	72			8	3	3	1
West Virginia.....	17	68	7	15		11	2	0
North Carolina.....	122	78	3	4		2	1	0
South Carolina.....	23	13	96	166	4	1	1	0
Georgia <sup>1</sup> .....	28	20					0	0
Florida <sup>1</sup> .....	5	12	3	2	1	3	2	1
<b>East South Central States:</b>								
Kentucky.....	24	57	13	10	20	15	2	0
Tennessee.....	48	55	10	19	2		4	3
Alabama <sup>1</sup> .....	43	44	9	10			2	0
Mississippi.....	22	16					0	0

See footnotes at end of tables.

Cases of certain communicable diseases reported by telegraph by State health officers for weeks ended Oct. 10, 1936, and Oct. 12, 1935—Continued

Division and State	Diphtheria		Influenza		Measles		Meningococcus meningitis	
	Week ended Oct. 10, 1936	Week ended Oct. 12, 1935	Week ended Oct. 10, 1936	Week ended Oct. 12, 1935	Week ended Oct. 10, 1936	Week ended Oct. 12, 1935	Week ended Oct. 10, 1936	Week ended Oct. 12, 1935
<b>West South Central States:</b>								
Arkansas.....	9	29	1	17	1	-----	0	0
Louisiana <sup>1</sup> .....	15	14	14	3	2	3	1	0
Oklahoma <sup>1</sup> .....	10	11	10	32	1	-----	3	4
Texas <sup>1</sup> .....	27	63	56	64	6	1	1	0
<b>Mountain States:</b>								
Montana.....		2	25	21	-----	16	0	1
Idaho.....		1	3	4	2	3	0	0
Wyoming.....		3	-----	-----	1	13	0	0
Colorado.....	9	15	-----	-----	2	11	0	1
New Mexico.....	3	8	1	2	20	2	0	0
Arizona.....	1	1	12	31	-----	1	0	1
Utah <sup>1</sup> .....		-----	-----	-----	5	3	0	0
<b>Pacific States:</b>								
Washington.....		-----	-----	-----	15	50	0	0
Oregon.....		-----	15	13	5	95	1	0
California.....	22	47	17	20	17	123	2	1
<b>Total.....</b>	<b>701</b>	<b>1,099</b>	<b>487</b>	<b>595</b>	<b>386</b>	<b>723</b>	<b>49</b>	<b>61</b>
First 41 weeks of year.....	19, 138	24, 698	144, 016	107, 576	272, 877	700, 371	6, 409	4, 655

Division and State	Poliomyelitis		Scarlet fever		Smallpox		Typhoid fever	
	Week ended Oct. 10, 1936	Week ended Oct. 12, 1935	Week ended Oct. 10, 1936	Week ended Oct. 12, 1935	Week ended Oct. 10, 1936	Week ended Oct. 12, 1935	Week ended Oct. 10, 1936	Week ended Oct. 12, 1935
<b>New England States:</b>								
Maine.....	0	13	18	15	0	0	2	0
New Hampshire.....	0	3	4	1	0	0	0	0
Vermont.....	0	6	7	6	0	0	0	1
Massachusetts.....	2	52	69	98	0	0	2	4
Rhode Island.....	0	13	17	9	0	0	1	0
Connecticut.....	1	18	19	24	0	0	1	1
<b>Middle Atlantic States:</b>								
New York <sup>1</sup> .....	9	71	185	219	0	0	46	12
New Jersey.....	2	24	18	46	0	0	5	7
Pennsylvania.....	7	1	174	152	0	0	47	27
<b>East North Central States:</b>								
Ohio.....	24	5	88	210	0	1	21	27
Indiana.....	10	4	75	101	0	0	8	11
Illinois.....	94	16	195	381	2	1	24	24
Michigan.....	18	29	186	90	2	0	14	7
Wisconsin.....	7	0	115	189	0	11	1	2
<b>West North Central States:</b>								
Minnesota.....	2	3	59	158	0	3	2	2
Iowa.....	5	2	56	49	0	10	6	11
Missouri.....	5	1	27	77	0	0	18	15
North Dakota.....	0	0	24	26	2	0	3	0
South Dakota.....	1	2	20	13	1	1	5	0
Nebraska.....	0	1	16	16	0	3	2	2
Kansas.....	6	2	56	61	0	1	6	4
<b>South Atlantic States:</b>								
Delaware.....	0	0	1	7	0	0	3	2
Maryland <sup>1</sup> .....	2	6	37	68	0	0	12	18
District of Columbia.....	1	4	7	11	0	0	2	3
Virginia.....	0	1	22	59	0	0	24	16
West Virginia.....	1	0	35	99	0	0	25	17
North Carolina.....	0	9	42	59	0	1	16	20
South Carolina.....	0	0	9	14	0	0	12	14
Georgia <sup>1</sup> .....	7	3	31	31	0	1	31	8
Florida <sup>1</sup> .....	1	0	11	1	0	0	1	1

See footnotes at end of table.

*Cases of certain communicable diseases reported by telegraph by State health officers for weeks ended Oct. 10, 1936, and Oct. 12, 1935—Continued*

Division and State	Poliomyelitis		Scarlet fever		Smallpox		Typhoid fever	
	Week ended Oct. 10, 1936	Week ended Oct. 12, 1935	Week ended Oct. 10, 1936	Week ended Oct. 12, 1935	Week ended Oct. 10, 1936	Week ended Oct. 12, 1935	Week ended Oct. 10, 1936	Week ended Oct. 12, 1935
<b>East South Central States:</b>								
Kentucky.....	4	11	24	104	0	0	43	34
Tennessee.....	15	1	28	106	0	0	10	24
Alabama <sup>1</sup> .....	9	1	17	16	0	0	16	3
Mississippi.....	4	2	11	23	0	0	10	6
<b>West South Central States:</b>								
Arkansas.....	1	0	3	16	0	0	6	8
Louisiana <sup>1</sup> .....	1	4	8	11	0	0	5	13
Oklahoma <sup>4</sup> .....	0	0	7	19	1	1	6	12
Texas <sup>1</sup> .....	1	2	19	37	0	0	25	21
<b>Mountain States:</b>								
Montana.....	4	0	24	39	11	0	1	5
Idaho.....	0	0	16	21	0	0	2	5
Wyoming.....	0	0	6	21	0	9	0	0
Colorado.....	1	1	14	59	0	0	6	9
New Mexico.....	2	0	8	9	0	0	20	12
Arizona.....	0	0	10	8	0	0	5	2
Utah <sup>2</sup> .....	0	1	11	36	0	0	0	1
<b>Pacific States:</b>								
Washington.....	4	0	43	33	4	5	8	8
Oregon.....	2	1	20	39	0	0	2	2
California.....	10	28	128	140	0	0	8	14
Total.....	263	339	1,990	3,017	23	48	513	435
First 41 weeks of year.....	3,112	9,291	193,670	194,715	6,313	5,565	11,438	14,509

<sup>1</sup> Typhus fever cases, week ended Oct. 10, 1936, 33 cases, as follows: New York, 1; Georgia, 22; Florida, 1, Alabama, 8; Louisiana, 1; Texas, 5.

<sup>2</sup> New York City only.

<sup>3</sup> Week ended earlier than Saturday.

<sup>4</sup> Exclusive of Oklahoma City and Tulsa.

### SUMMARY OF MONTHLY REPORTS FROM STATES

The following summary of cases reported monthly by States is published weekly and covers only those States from which reports are received during the current week:

State	Menin- gococ- cus menin- gitis	Diph- theria	Influ- enza	Mala- ria	Mea- sles	Pel- lagra	Poli- mye- litis	Scarlet fever	Small- pox	Ty- phoid fever
<i>July 1936</i>										
Puerto Rico.....		80	78	967	233	1	8		0	73
<i>September 1936</i>										
Colorado.....	9	15			12		33	61	4	18
Connecticut.....	1	3	7	2	19		4	40	0	10
Dist. of Columbia.....	4	53	3		5		3	30		7
Maine.....	4	3	1	1	45		12	28	0	3
New Jersey.....	7	26	26	8	54		5	66	0	73
North Carolina.....	7	275	14		17	42	5	171	0	97
Wyoming.....		1			6		3	19	5	3

July 1936		September 1936—Continued		September 1936—Continued	
<b>Puerto Rico:</b>	<b>Cases</b>	<b>German measles:</b>	<b>Cases</b>	<b>Septic sore throat:</b>	<b>Cases</b>
Chicken pox.....	3	Maine.....	2	Connecticut.....	4
Dysentery.....	125	New Jersey.....	33	North Carolina.....	18
Filariasis.....	2	North Carolina.....	4	Wyoming.....	2
Leprosy.....	1	Wyoming.....	1	<b>Tetanus:</b>	
Mumps.....	30	<b>Impetigo contagiosa:</b>		Colorado.....	1
Ophthalmia neonatorum..	3	Colorado.....	12	Connecticut.....	2
Puerperal septicemia.....	8	<b>Lead poisoning:</b>		Maine.....	1
Tetanus.....	9	Connecticut.....	1	New Jersey.....	4
Tetanus, infantile.....	1	Maine.....	1	<b>Trachoma:</b>	
Trachoma.....	1	<b>Mumps:</b>		Colorado.....	1
Whooping cough.....	44	Colorado.....	24	Connecticut.....	1
		Connecticut.....	85	<b>Trichinosis:</b>	
		Maine.....	103	Connecticut.....	1
		New Jersey.....	114	New Jersey.....	1
		Wyoming.....	11	<b>Tularemia:</b>	
<b>September 1936</b>		<b>Ophthalmia neonatorum:</b>		Wyoming.....	3
Chicken pox:		New Jersey.....	8	<b>Typhus fever:</b>	
Colorado.....	27	North Carolina.....	3	North Carolina.....	4
Connecticut.....	30	<b>Paratyphoid fever:</b>		<b>Undulant fever:</b>	
District of Columbia.....	4	Connecticut.....	16	Connecticut.....	7
Maine.....	38	North Carolina.....	4	Maine.....	1
New Jersey.....	67	<b>Rabies in animals:</b>		New Jersey.....	3
North Carolina.....	27	Connecticut.....	1	North Carolina.....	1
Wyoming.....	1	Maine.....	2	<b>Vincent's infection:</b>	
Dysentery:		New Jersey.....	6	Maine.....	1
Colorado.....	3	<b>Rabies in man:</b>		<b>Whooping cough:</b>	
Connecticut (amoebic).....	1	North Carolina.....	1	Colorado.....	162
Connecticut (bacillary).....	12	<b>Rocky Mountain spotted fever:</b>		Connecticut.....	204
New Jersey.....	4	North Carolina.....	5	District of Columbia.....	123
<b>Epidemic encephalitis:</b>		<b>Scabies:</b>		Maine.....	78
Colorado.....	21	Colorado.....	10	New Jersey.....	366
Connecticut.....	1			North Carolina.....	87
District of Columbia.....	1			Wyoming.....	9
Maine.....	1				
New Jersey.....	1				

**WEEKLY REPORTS FROM CITIES**

*City reports for week ended Oct. 3, 1936*

This table summarizes the reports received weekly from a selected list of 140 cities for the purpose of showing a cross section of the current urban incidence of the communicable diseases listed in the table. Weekly reports are received from about 700 cities, from which the data are tabulated and filed for reference.

State and city	Diphtheria cases	Influenza		Measles cases	Pneumonia deaths	Scarlet fever cases	Small-pox cases	Tuberculosis deaths	Typhoid fever cases	Whooping cough cases	Deaths, all causes
		Cases	Deaths								
<b>Maine:</b>											
Portland.....	0	0	0	0	2	3	0	1	1	3	20
<b>New Hampshire:</b>											
Concord.....	0	0	0	0	0	0	0	0	0	0	4
Nashua.....	0	0	0	0	0	0	0	0	0	0	
<b>Vermont:</b>											
Barre.....	0	0	0	1	0	0	0	0	0	0	9
Burlington.....	0	0	0	0	0	0	0	0	0	0	4
Rutland.....	0	0	0	0	0	0	0	0	0	0	
<b>Massachusetts:</b>											
Boston.....	0	0	7	21	11	0	5	1	81	191	
Fall River.....	0	0	0	2	7	0	1	0	0	31	
Springfield.....	0	0	0	0	2	0	0	0	1	29	
Worcester.....	2	0	3	0	1	0	1	0	3	47	
<b>Rhode Island:</b>											
Pawtucket.....	0	0	0	0	0	0	0	0	0	15	
Providence.....	0	0	0	1	10	0	2	0	9	47	
<b>Connecticut:</b>											
Bridgeport.....	0	0	2	0	2	0	0	0	6	26	
Hartford.....	0	0	0	0	5	0	0	0	8	32	
New Haven.....	0	0	0	1	0	0	0	1	2	44	
<b>New York:</b>											
Buffalo.....	2	0	2	2	2	0	4	0	7	126	
New York.....	6	8	2	16	63	36	68	15	79	1,224	
Rochester.....	0	0	1	2	2	0	0	0	2	55	
Syracuse.....	0	0	2	2	5	0	1	0	17	35	
<b>New Jersey:</b>											
Camden.....	1	0	0	2	2	0	2	0	5	34	
Newark.....	0	0	1	2	0	0	3	0	33	83	
Trenton.....	0	0	0	1	0	0	1	1	1	35	
<b>Pennsylvania:</b>											
Philadelphia.....	1	2	2	0	29	17	24	0	71	397	
Pittsburgh.....	8	1	0	16	15	0	5	0	29	147	
Reading.....	0	0	0	0	1	0	0	0	3	17	
Scranton.....	0	0	0	0	3	0	0	0	0		

## City reports for week ended Oct. 3, 1936—Continued

State and city	Diph- theria cases	Influenza		Mea- sles cases	Pneu- monia deaths	Scar- let fever cases	Small- pox cases	Tuber- culosis deaths	Ty- phoid fever cases	Whoop- ing cough cases	Deaths all causes
		Cases	Deaths								
Ohio:											
Cincinnati	4		0	0	5	6	0	9	2	0	100
Cleveland	1	10	0	0	5	23	0	11	1	31	172
Columbus	3		0	0	4	4	0	5	6	8	83
Toledo	1		0	3	3	7	0	5	1	10	54
Indiana:											
Anderson	1		0	0	0	2	0	0	0	0	15
Fort Wayne	0		0	0	1	1	0	0	0	0	19
Indianapolis	3		0	1	9	4	0	2	0	5	102
Muncie	0		0	0	1	3	0	0	0	0	15
South Bend	0		0	0	0	0	0	0	0	2	12
Terre Haute	1		0	0	0	1	0	0	0	0	12
Illinois:											
Alton	1		0	0	1	0	0	0	0	1	14
Chicago	2	3	1	7	27	57	0	46	5	55	609
Elgin	0		0	0	1	1	0	0	0	2	8
Springfield	0		0	0	1	4	0	0	0	6	20
Michigan:											
Detroit	4		1	2	17	31	0	20	5	63	226
Flint	1		0	0	1	5	0	0	0	4	14
Grand Rapids	0		0	0	0	1	0	0	0	6	26
Wisconsin:											
Kenosha	0		0	0	0	5	0	0	0	0	7
Milwaukee	0		0	1	5	12	1	7	0	33	85
Racine	0		0	0	0	4	0	1	1	0	12
Superior	1		0	0	0	1	0	0	0	0	6
Minnesota:											
Duluth	0		0	1	0	3	0	1	0	4	14
Minneapolis	1		1	3	1	6	0	1	0	14	77
St. Paul	0		0	0	4	4	0	1	0	13	57
Iowa:											
Cedar Rapids	0					0	0		0	0	
Davenport	0					0	0		0	0	
Des Moines	0					5	0		3	0	34
Sioux City	0					4	0		0	1	
Waterloo	1					3	0		0	6	
Missouri:											
Kansas City	1		0	0	8	6	0	4	0	0	85
St. Joseph						5	0	0	2	25	209
North Dakota:											
Fargo	0		0	0	0	1	0	0	0	0	7
Grand Forks	0					0	0		0	0	
Minot	0		0	0	0	1	0	0	0	0	6
South Dakota:											
Aberdeen	0					0	0		0	0	
Sioux Falls	0		0	0	0	3	0	0	0	0	14
Nebraska:											
Omaha	0		0	0	4	0	0	1	0	1	58
Kansas:											
Lawrence	0		0	0	2	0	0	0	0	0	11
Topeka	0		0	0	0	2	0	1	0	0	
Wichita	0		0	0	2	3	1	1	0	0	24
Delaware:											
Wilmington	0		0	1	3	1	0	0	1	3	32
Maryland:											
Baltimore	4	2	1	0	12	7	0	17	0	110	174
Cumberland	0		0	0	0	0	0	0	0	0	12
Frederick	0		0	0	0	1	0	0	0	0	2
District of Colum- bia:											
Washington	11		0	0	12	8	0	19	5	15	174
Virginia:											
Lynchburg	0		0	0	1	0	0	0	0	0	9
Norfolk	2		0	0	2	0	0	1	0	0	32
Richmond	0		0	0	0	3	0	4	6	1	45
Roanoke	1		0	0	0	2	0	1	0	0	12
West Virginia:											
Charleston	0		0	0	1	0	0	0	0	0	18
Huntington	2					1	0		0	0	
Wheeling	0		0	0	0	2	0	1	0	1	12
North Carolina:											
Gastonia	0					2	0		0	0	
Raleigh	1		0	0	4	0	0	0	0	0	16
Wilmington	2		0	0	2	0	0	2	0	0	13
Winston-Salem	0		0	0	3	0	0	0	1	0	26

City reports for week ended Oct. 3, 1936—Continued

State and city	Diphtheria cases	Influenza		Measles cases	Pneumonia deaths	Scarlet fever cases	Small-pox cases	Tuberculosis deaths	Typhoid fever cases	Whooping cough cases	Deaths, all causes
		Cases	Deaths								
<b>South Carolina:</b>											
Charleston	0	4	0	0	1	0	0	0	1	0	17
Columbia											
Greenville	1		0	0	1	0	0	1	0	0	15
<b>Georgia:</b>											
Atlanta	6	1	0	0	5	3	0	4	0	0	78
Brunswick	0		0	0	0	1	0	0	0	0	4
Savannah	1	1	1	0	0	0	0	1	2	2	24
<b>Florida:</b>											
Miami	0		0	0	0	1	0	2	0	0	20
Tampa	1		0	0	2	2	0	0	0	2	17
<b>Kentucky:</b>											
Ashland	0		0	0	4	0	0	1	0	0	32
Covington	0		0	0	1	1	0	0	0	0	16
Lexington	0		0	2	0	1	0	0	0	0	22
<b>Tennessee:</b>											
Knoxville	5		0	0	1	4	0	3	2	0	28
Memphis	0		0	0	2	0	0	5	0	0	89
Nashville	2		0	0	4	1	0	0	2	0	44
<b>Alabama:</b>											
Birmingham	1		0	0	0	2	0	4	1	0	51
Mobile	1		0	0	0	0	0	3	0	0	27
Montgomery	2			0		1	0		0	1	
<b>Arkansas:</b>											
Fort Smith	1			0		0	0		0	0	
Little Rock	0		0	0	2	1	0	7	0	0	11
<b>Louisiana:</b>											
Lake Charles	0		0	0	1	0	0	0	0	0	7
New Orleans	8		0	0	6	2	0	7	4	1	132
Shreveport	1		0	0	1	3	0	3	1	0	46
<b>Oklahoma:</b>											
Oklahoma City	1	8	0	0	3	2	0	1	0	0	35
<b>Texas:</b>											
Dallas	1		0	1	6	1	0	1	0	0	63
Fort Worth	2		0	1	2	0	0	2	0	12	35
Galveston	0		0	0	2	0	0	2	0	0	13
Houston	3		0	0	5	1	0	5	1	0	57
San Antonio	0		0	0	3	0	0	7	0	0	55
<b>Montana:</b>											
Billings	0		0	0	0	1	0	0	0	0	4
Great Falls	0		0	0	0	3	0	0	0	0	11
Helena	0		0	0	0	1	0	0	1	0	5
Missoula	0		0	0	0	1	0	0	0	1	6
<b>Idaho:</b>											
Boise	0		0	0	0	3	0	0	0	0	3
<b>Colorado:</b>											
Colorado Springs	0		0	0	4	1	0	3	0	0	16
Denver	1		1	3	3	11	0	5	1	36	99
Pueblo	0		0	0	1	0	0	0	1	1	7
<b>New Mexico:</b>											
Albuquerque	0		0	0	1	0	0	1	1	0	11
<b>Utah:</b>											
Salt Lake City	0		1	0	1	4	3	2	0	5	24
<b>Nevada:</b>											
Reno											
<b>Washington:</b>											
Seattle	1		0	0	2	2	0	0	0	0	79
Spokane	0		0	0	2	12	2	0	0	2	29
Tacoma	0		0	0	0	1	0	0	0	2	31
<b>Oregon:</b>											
Portland	0		0	1	5	3	0	0	0	4	65
Salem	0	1		0		0		2	2		
<b>California:</b>											
Los Angeles	9	17	0	3	19	11	0	21	1	50	312
Sacramento	0		0	0	2	14	0	2	2	8	37
San Francisco	1		0	1	10	8	0	4	0	22	144

## City reports for week ended Oct. 3, 1936—Continued

State and city	Meningococcus meningitis		Polio- mye- litis cases	State and city	Meningococcus meningitis		Polio- mye- litis cases
	Cases	Deaths			Cases	Deaths	
<b>Massachusetts:</b>				<b>Kansas:</b>			
Boston.....	0	0	1	Topeka.....	1	0	0
<b>New York:</b>				<b>Maryland:</b>			
New York.....	3	0	2	Baltimore.....	4	1	1
Syracuse.....	0	0	1	<b>District of Columbia:</b>			
<b>New Jersey:</b>				Washington.....	5	0	3
Newark.....	2	0	0	<b>Virginia:</b>			
<b>Pennsylvania:</b>				Lynchburg.....	0	0	1
Philadelphia.....	2	0	2	<b>Tennessee:</b>			
<b>Ohio:</b>				Knoxville.....	0	0	4
Cincinnati.....	1	0	3	Nashville.....	0	0	2
Toledo.....	1	0	6	<b>Louisiana:</b>			
<b>Illinois:</b>				Shreveport.....	0	2	0
Chicago.....	2	0	33	<b>Texas:</b>			
Elgin.....	1	0	1	Houston.....	0	2	0
<b>Michigan:</b>				<b>Montana:</b>			
Detroit.....	1	0	10	Missoula.....	0	0	1
<b>Wisconsin:</b>				<b>Utah:</b>			
Milwaukee.....	0	0	1	Salt Lake City.....	0	0	1
<b>Minnesota:</b>				<b>Washington:</b>			
Minneapolis.....	0	0	1	Spokane.....	0	0	1
<b>Iowa:</b>				<b>Oregon:</b>			
Des Moines.....	0	0	1	Portland.....	0	0	1
<b>Missouri:</b>				<b>California:</b>			
St. Louis.....	1	0	4	Los Angeles.....	0	0	3
<b>South Dakota:</b>				San Francisco.....	0	0	2
Sioux Falls.....	0	0	1				

*Dengue*.—Cases: Savannah, 2.

*Epidemic encephalitis*.—Cases: Omaha, 1; Wichita, 1; Washington, 1.

*Fellagra*.—Cases: Charleston, S. C., 2; Atlanta, 1; Savannah, 1; New Orleans, 2.

*Typhus fever*.—Cases: Norfolk, 1; Charleston, S. C., 1; Atlanta, 3; Savannah, 2; Tampa, 2; Mobile, 1; Dallas, 1.

## FOREIGN AND INSULAR

### BELGIUM

*Vital statistics—1935.*—The following table shows vital statistics for Belgium for 1935:

Population.....	8,299,940	Number of deaths.....	106,226
Number of live births.....	127,405	Death rate per 1,000 population.....	12.8
Birth rate per 1,000 population.....	15.35	Number of marriages.....	63,160
Number of stillbirths.....	4,182		

### CANADA

*Manitoba—Poliomyelitis.*—During the week ended October 10, 1936, 56 new cases of poliomyelitis were reported in the Province of Manitoba, Canada, making a total of 345 cases reported in the province since June 20, 1936. Six cases of poliomyelitis were reported in Winnipeg during the week ended October 10, 1936.

*Vital statistics—First quarter 1936.*—The Bureau of Statistics of the Dominion of Canada has published the following preliminary statistics for the first quarter of 1936. The rates are computed on an annual basis. There were 19.7 live births per 1,000 population during the first quarter of 1936 and 20.1 per 1,000 population in the same quarter of 1935. The death rate was 10.2 per 1,000 population for the first quarter of 1936 and 10.7 per 1,000 population for the first quarter of 1935. The infant mortality rate for the first quarter of 1936 was 70 per 1,000 live births and 83 in the corresponding quarter of 1935. The maternal death rate was 6.2 per 1,000 live births for the first quarter of 1936 and 5.9 for the same quarter of 1935.

The accompanying tables give the numbers of births, deaths, and marriages by Provinces for the first quarter of 1936, and deaths from certain causes in Canada for the first quarter of 1936, and the corresponding quarter of 1935, and by Provinces for the first quarter of 1936.

*Number of births, deaths, and marriages, first quarter 1936*

Province	Live births	Deaths (exclusive of stillbirths)	Deaths under 1 year of age	Maternal deaths	Marriages
Canada <sup>1</sup> .....	54,380	28,204	3,791	886	11,746
Prince Edward Island.....	464	301	38	3	82
Nova Scotia.....	2,624	1,477	201	11	697
New Brunswick.....	2,573	1,273	230	17	449
Quebec.....	18,999	8,306	1,581	127	2,710
Ontario.....	15,613	9,870	875	104	4,243
Manitoba.....	3,201	1,776	203	17	811
Saskatchewan.....	4,542	1,658	280	18	937
Alberta.....	3,871	1,652	263	26	961
British Columbia.....	2,493	1,891	120	13	856

<sup>1</sup> Exclusive of Yukon and the Northwest Territories.

Number of deaths, Canada, first quarter 1935 and 1936, and by Provinces, first quarter 1936

Cause of death	Canada <sup>1</sup> (first quarter)		Province, first quarter 1936								
	1935	1936	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia
Automobile accidents	179	147	-----	5	8	25	70	7	1	10	21
Cancer	2,705	2,912	20	168	122	781	1,105	189	176	184	217
Diarrhea and enteritis	455	453	3	14	7	262	91	12	29	23	12
Diphtheria	57	64	-----	5	4	38	2	6	1	4	4
Diseases of the arteries	2,095	2,433	26	117	95	436	1,248	146	95	99	171
Diseases of the heart	4,490	4,413	46	212	154	1,045	1,924	249	252	206	325
Homicides	30	43	-----	1	4	13	5	6	3	7	7
Influenza	1,651	1,345	10	32	28	428	300	179	153	139	76
Measles	176	126	3	3	25	37	20	4	6	6	1
Nephritis	1,619	1,733	16	89	62	773	542	68	56	52	75
Pneumonia	2,553	2,353	42	137	131	627	856	154	128	146	132
Pollomyelitis	13	14	1	-----	-----	2	3	2	3	2	1
Puerperal causes	318	336	3	11	17	127	104	17	18	26	13
Scarlet fever	91	80	-----	2	-----	23	34	6	6	6	3
Smallpox	3	2	-----	-----	-----	-----	-----	-----	-----	1	1
Suicides	235	225	2	8	4	27	97	22	18	27	20
Tuberculosis	1,711	1,698	19	98	80	734	322	124	74	92	145
Typhoid fever	47	61	1	-----	-----	3	35	8	4	3	1
Other violent deaths	1,041	891	5	51	31	174	351	55	46	66	112
Whooping cough	310	170	7	29	9	60	27	7	15	14	2

<sup>1</sup> Exclusive of Yukon and the Northwest Territories.

### ITALY

*Communicable diseases—4 weeks ended August 16, 1936.*—During the 4 weeks ended August 16, 1936, cases of certain communicable diseases were reported in Italy as follows:

Disease	July 20-26		July 27-Aug. 2		Aug. 3-9		Aug. 10-16	
	Cases	Communes affected	Cases	Communes affected	Cases	Communes affected	Cases	Communes affected
Anthrax	19	17	45	34	40	35	35	29
Cerebrospinal meningitis	13	12	17	8	12	12	11	10
Chicken pox	115	81	125	84	133	86	80	62
Diphtheria and croup	311	184	331	215	420	231	340	218
Dysentery	31	16	39	22	29	15	32	20
Hookworm disease	17	11	16	11	19	11	23	11
Lethargic encephalitis	-----	-----	2	2	1	1	2	2
Measles	1,063	275	859	257	657	198	461	161
Mumps	224	96	180	84	158	79	102	60
Paratyphoid fever	121	85	136	99	138	103	144	90
Poliomyelitis	108	83	70	53	78	50	61	47
Puerperal fever	17	16	2	22	28	23	29	28
Rabies	-----	-----	2	-----	-----	-----	-----	-----
Scarlet fever	163	88	159	90	180	102	171	111
Typhoid fever	750	398	862	444	976	456	855	458
Undulant fever	86	68	67	48	68	51	47	34
Whooping cough	675	227	595	203	557	184	510	175

SCOTLAND

*Vital statistics—1935.*—Following are vital statistics for Scotland for the year 1935:

Number of marriages.....	37,997	Deaths per 1,000 population.....	13.19
Number of births.....	87,928	Infant mortality per 1,000 births.....	78.8
Births per 1,000 population.....	17.75	Maternal mortality per 1,000 births.....	6.8
Number of deaths.....	65,331		

**CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER**

NOTE.—A table giving current information of the world prevalence of quarantinable diseases appeared in the PUBLIC HEALTH REPORTS for September 25, 1936, pages 1348-1361. A similar cumulative table will appear in the PUBLIC HEALTH REPORTS to be issued October 30, 1936, and thereafter, at least for the time being, in the issue published on the last Friday of each month.

**Cholera**

*Afghanistan—Zurmat Province.*—On October 8, 1936, cholera was reported present in Zurmat Province, Afghanistan.

**Plague**

*Ecuador—Alausi.*—During the period September 1-15, 1936, 1 case of plague with 1 death was reported in Alausi, Ecuador.

*Egypt—Beheira Province.*—One fatal case of plague was reported in Beheira Province, Egypt, on October 3, 1936.

*Hawaii Territory—Hawaii Island—Hamakua District—Paauhau Sector.*—A rat found October 8, 1936, in Paauhau Sector, Hamakua District, Island of Hawaii, Hawaii Territory, has been proved plague infected.

**Smallpox**

*Mexico.*—During the month of July 1936, smallpox has been reported in Mexico as follows: Mexico, D. F., 12 cases, 1 death; Queretaro, Queretaro State, 1 case.

**Typhus Fever**

*Mexico.*—During the month of July 1936, typhus fever has been reported in Mexico as follows: Aguascalientes, Aguascalientes State, 1 death; Guadalajara, Jalisco State, 1 case; Mexico, D. F., 23 cases, 9 deaths; Mexico State, 3 cases, 2 deaths; San Luis Potosi, San Luis Potosi State, 3 cases, 1 death; Sinaloa State, 1 death.

**Yellow Fever**

*Colombia.*—During the week ended August 29, 1936, 1 death from yellow fever was reported in Colombia, the location not being specified.